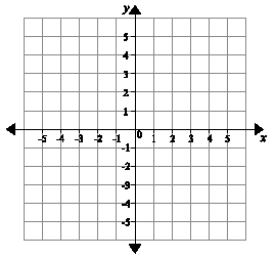
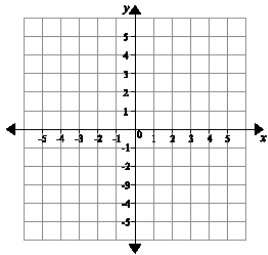
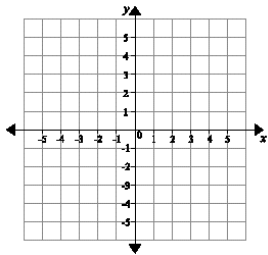
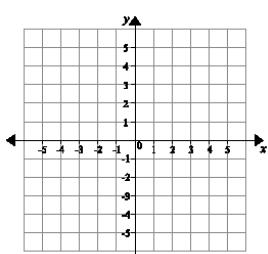
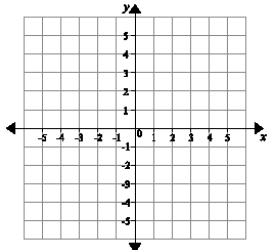


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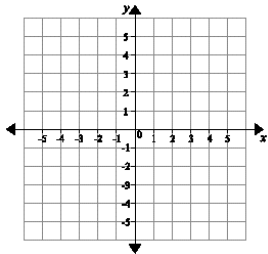
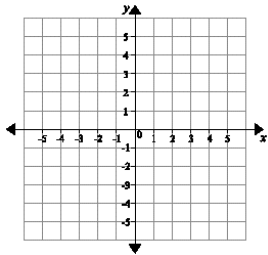
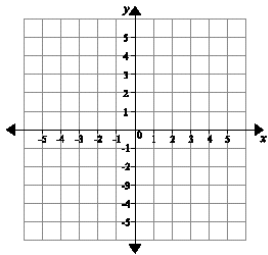
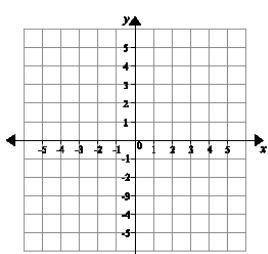
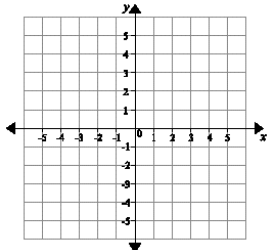
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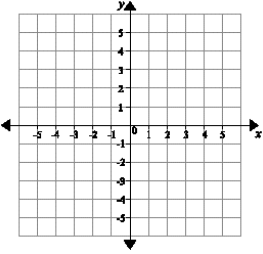
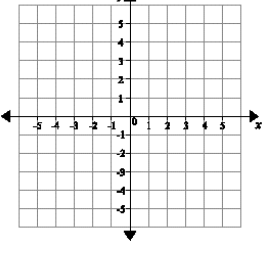
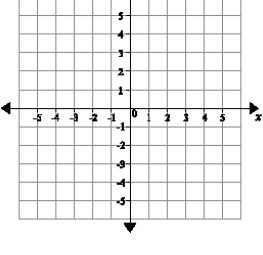
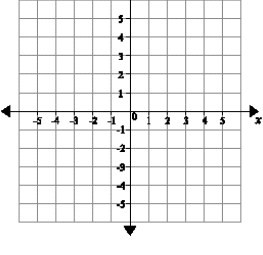
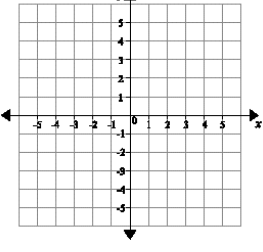
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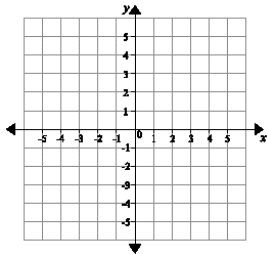
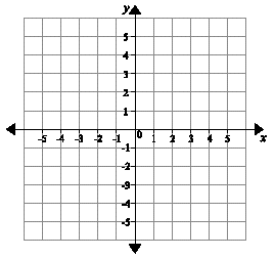
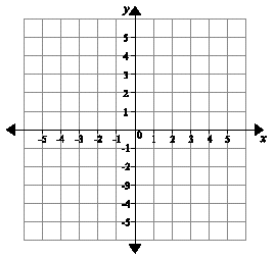
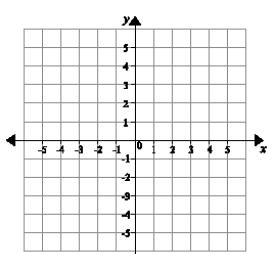
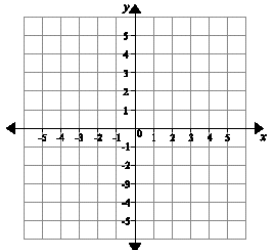
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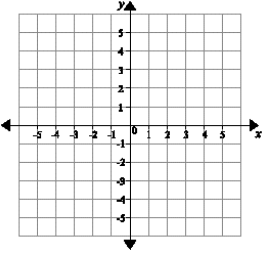
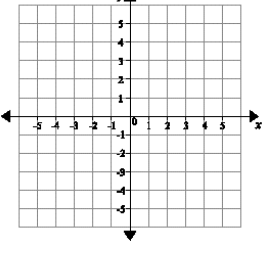
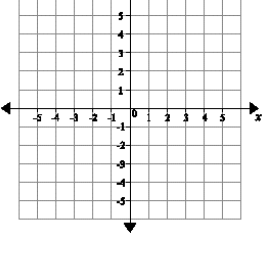
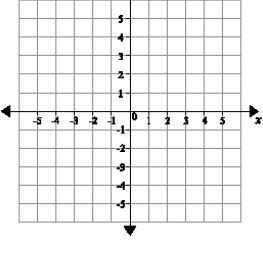
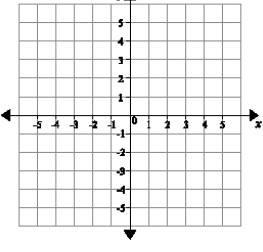
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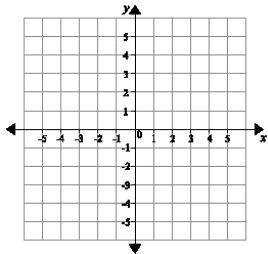
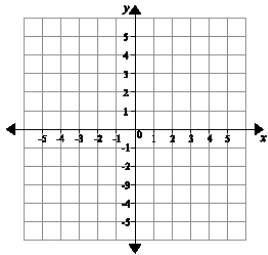
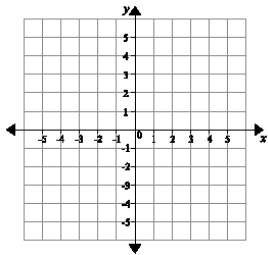
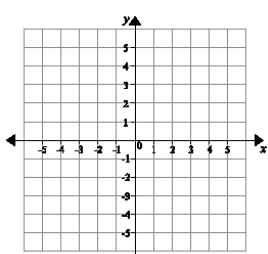
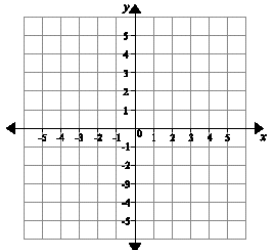
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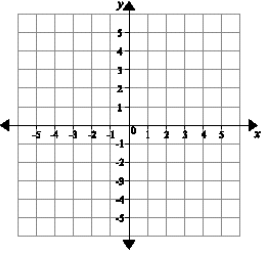
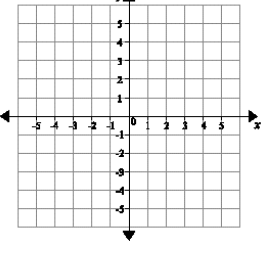
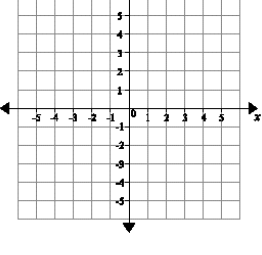
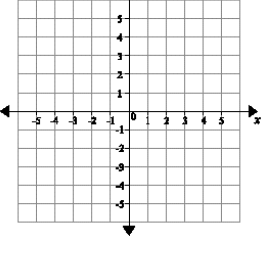
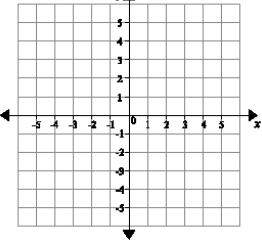
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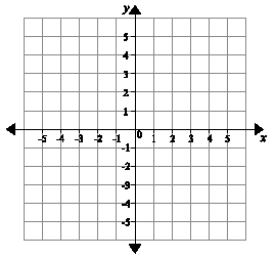
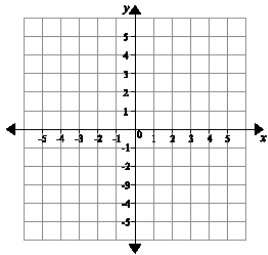
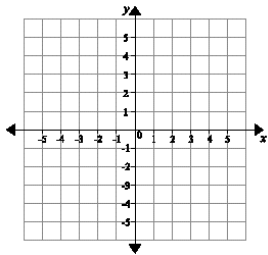
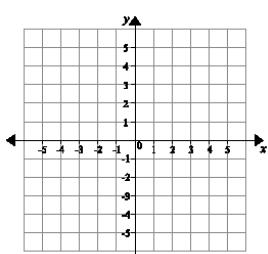
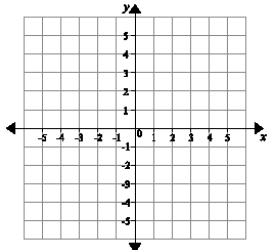
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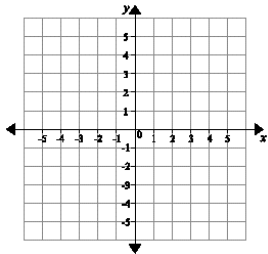
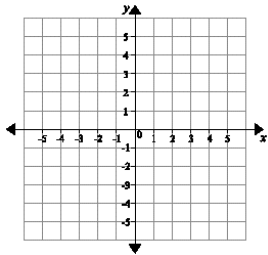
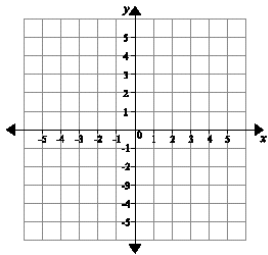
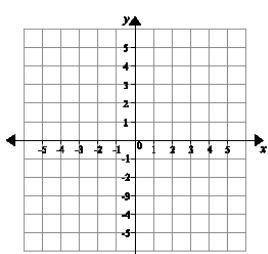
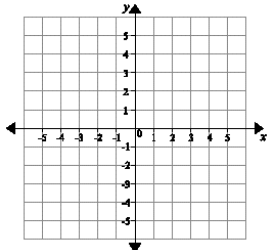
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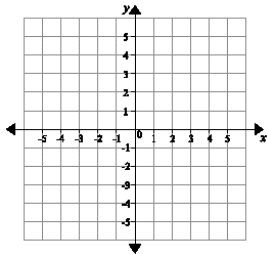
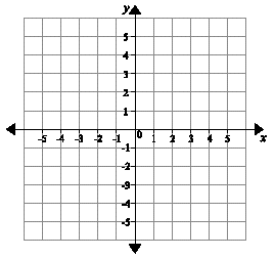
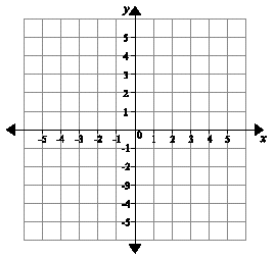
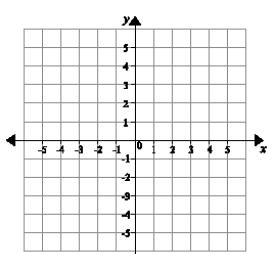
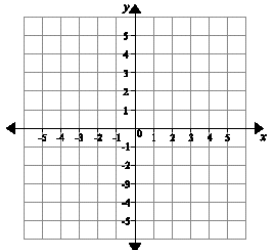
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<p><math>(-3, 1)</math></p> <p><math>(2, -2)</math></p> <p>The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math></p> <p><math>(-4/3, 0)</math></p>	
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<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math></p> <p>No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

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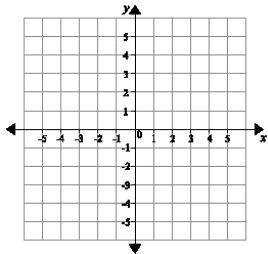
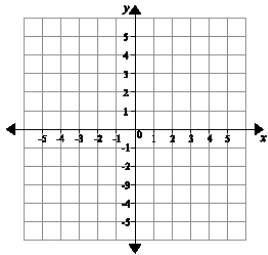
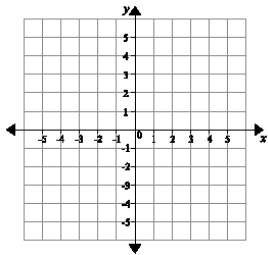
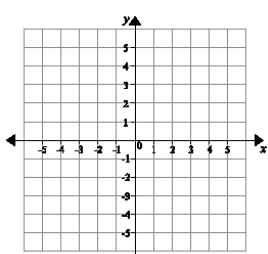
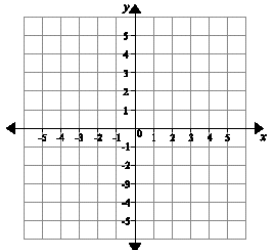
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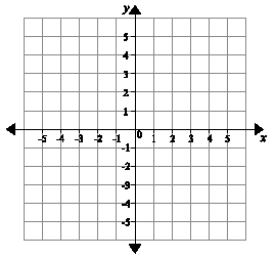
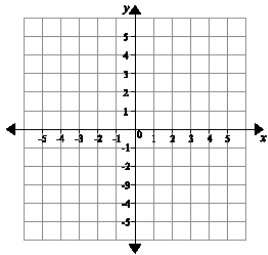
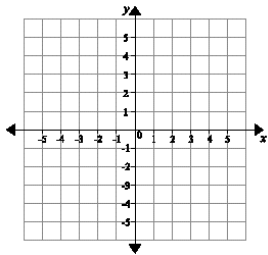
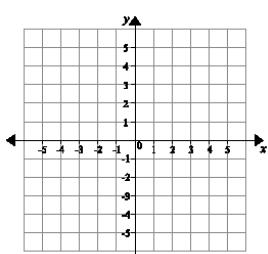
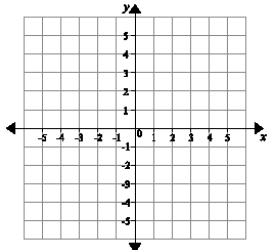
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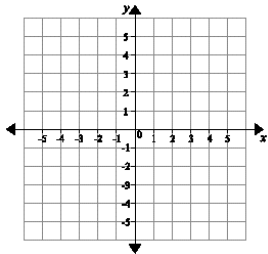
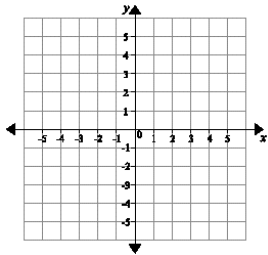
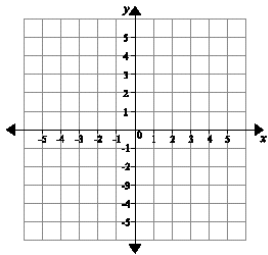
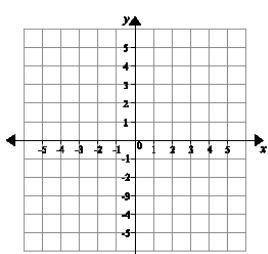
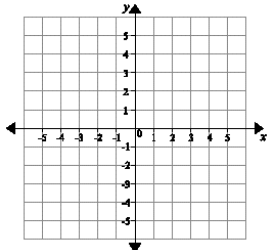
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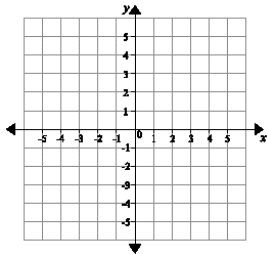
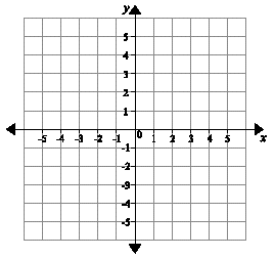
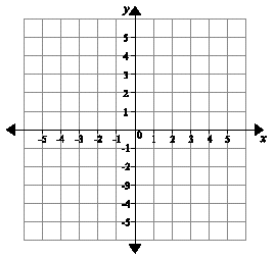
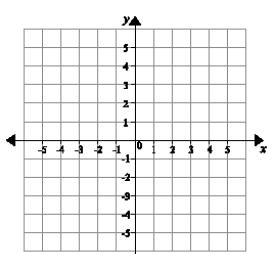
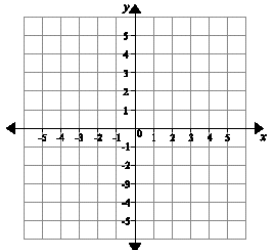
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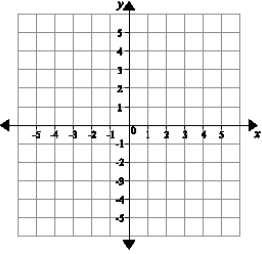
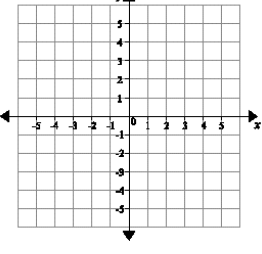
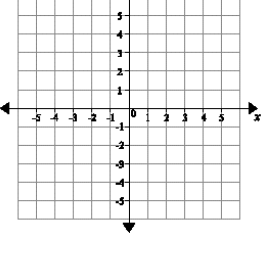
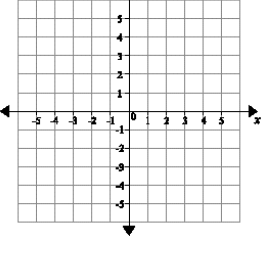
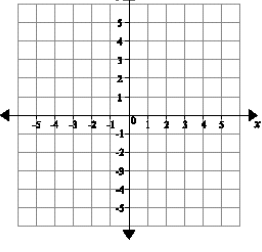
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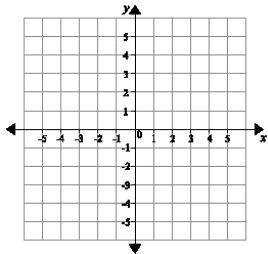
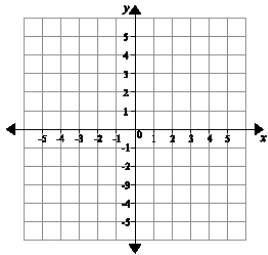
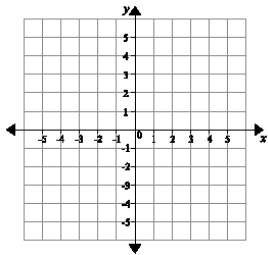
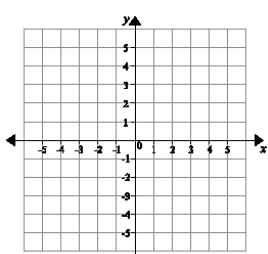
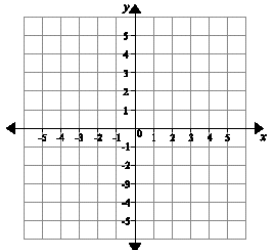
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<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

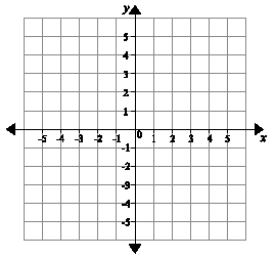
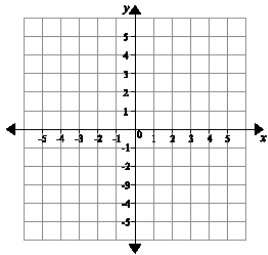
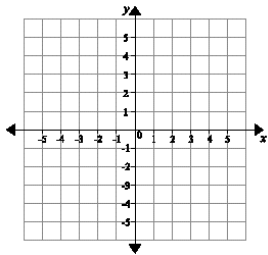
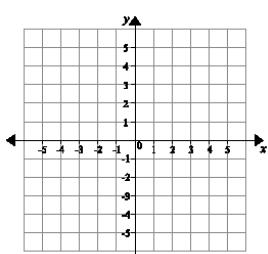
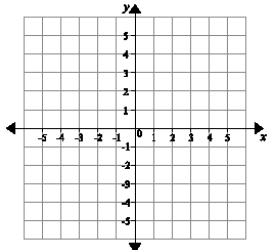
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Name Key

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$m = -2/3$	$2x + 3y - 6 = 0$	$y = -\frac{2}{3}x + 2$	$( 0 , 2 )$ $( 3 , 0 )$	
$( -1 , -2 )$ $( 4 , 3 )$	$x - y - 1 = 0$	$y = x - 1$	$( 0 , -1 )$ $( 1 , 0 )$	
See right	$2x - y - 3 = 0$	$y = 2x - 3$	$( 0 , -3 )$ $( 3/2 , 0 )$	
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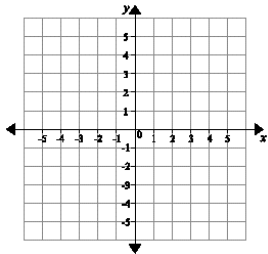
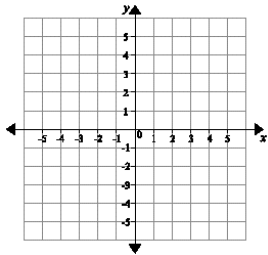
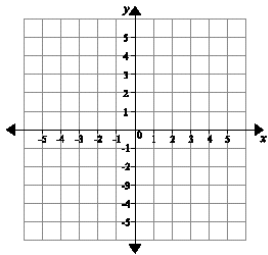
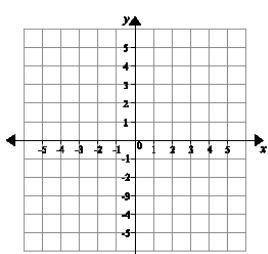
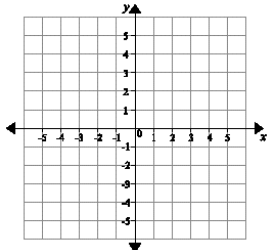
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<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math></p> <p>No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
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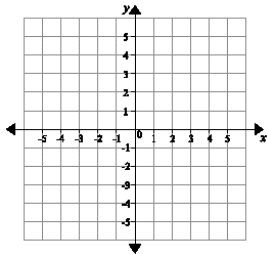
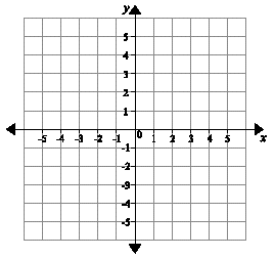
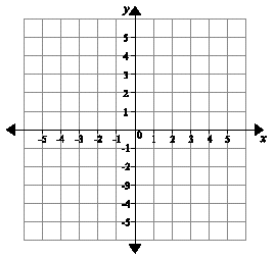
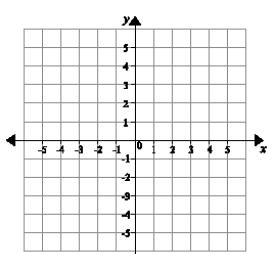
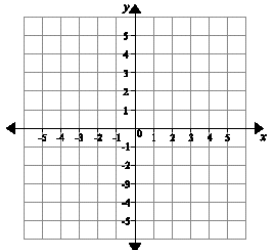
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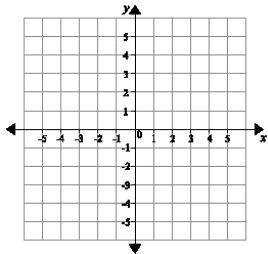
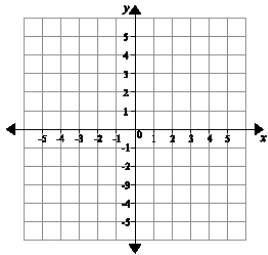
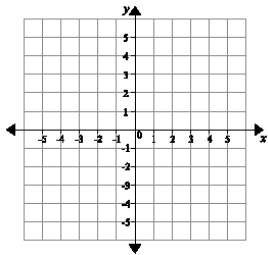
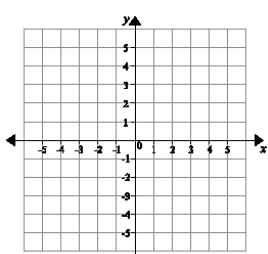
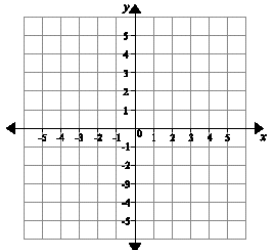
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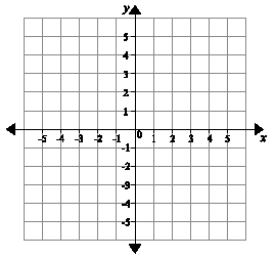
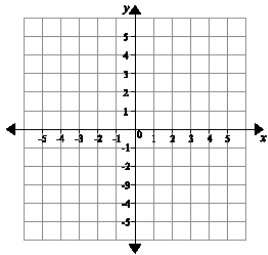
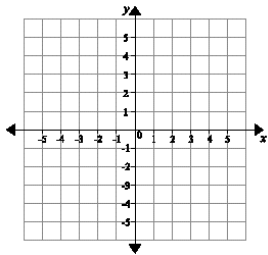
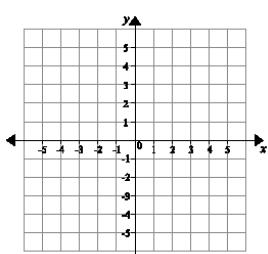
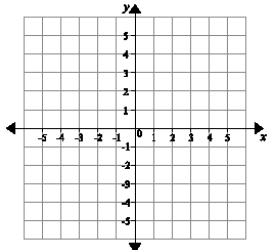
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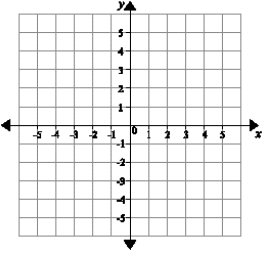
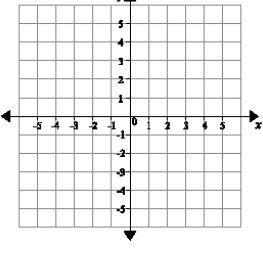
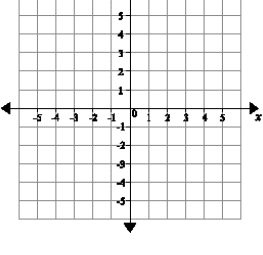
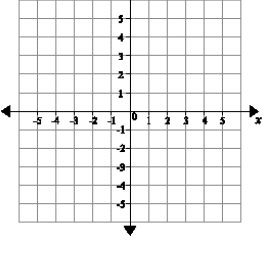
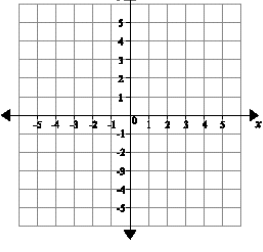
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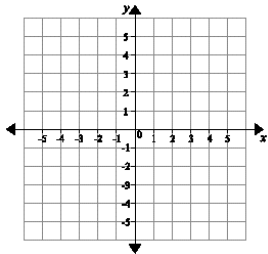
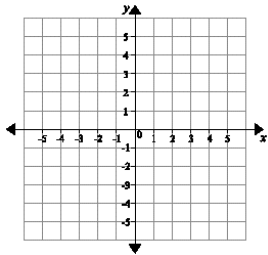
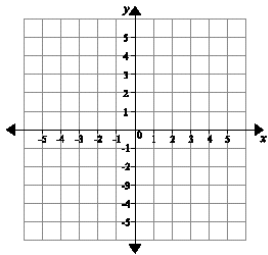
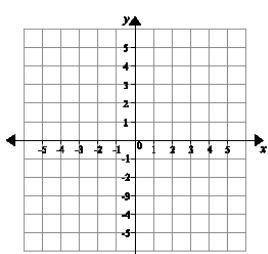
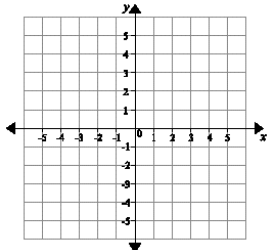
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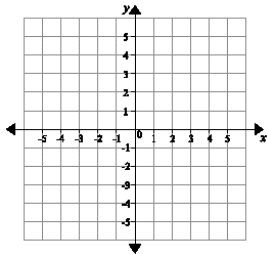
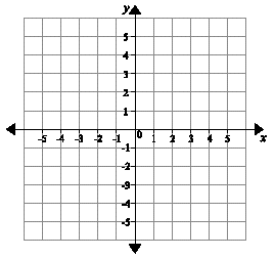
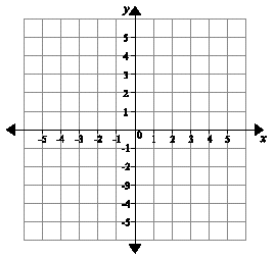
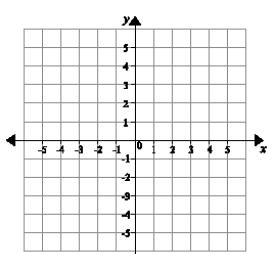
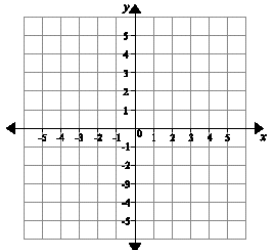
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<p><math>(-3, 1)</math></p> <p><math>(2, -2)</math></p> <p>The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math></p> <p><math>(-4/3, 0)</math></p>	
<p>The line perpendicular to the line:</p> <p><math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math></p> <p><math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math></p> <p>No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

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$3x = 4y + 6$	$3x - 4y - 6 = 0$	$y = \frac{3}{4}x - \frac{3}{2}$	$( 2 , 0 )$ $( 0 , -3/2 )$	
$m = -2/3$	$2x + 3y - 6 = 0$	$y = -\frac{2}{3}x + 2$	$( 0 , 2 )$ $( 3 , 0 )$	
$( -1 , -2 )$ $( 4 , 3 )$	$x - y - 1 = 0$	$y = x - 1$	$( 0 , -1 )$ $( 1 , 0 )$	
See right	$2x - y - 3 = 0$	$y = 2x - 3$	$( 0 , -3 )$ $( 3/2 , 0 )$	
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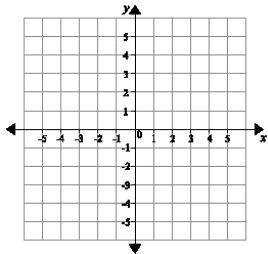
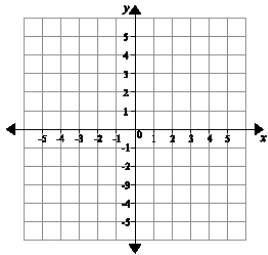
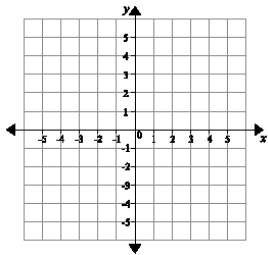
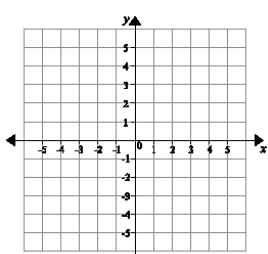
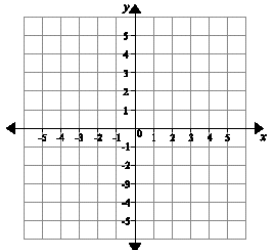
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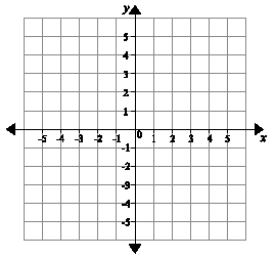
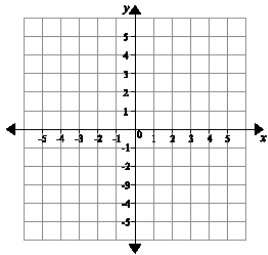
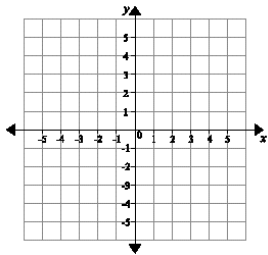
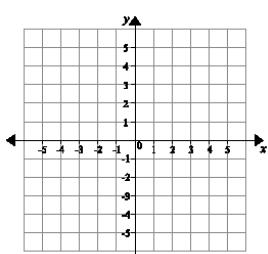
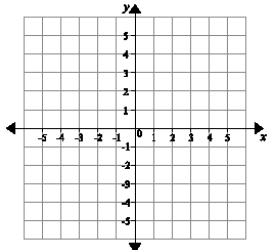
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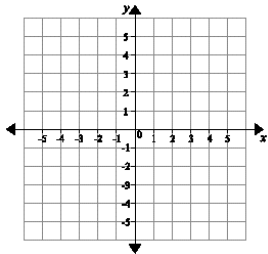
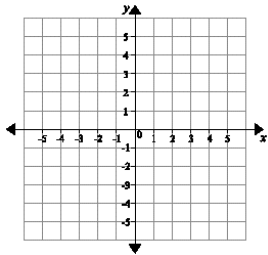
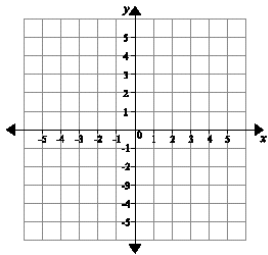
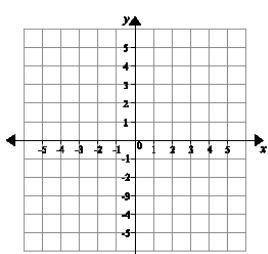
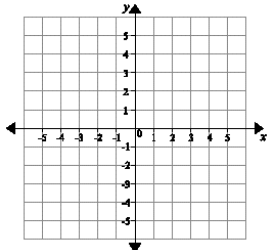
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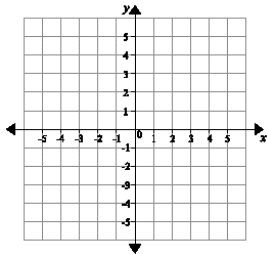
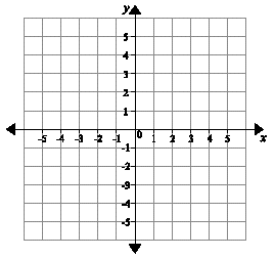
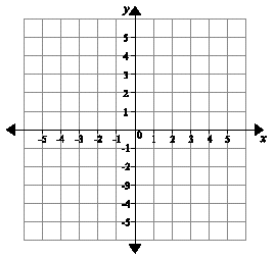
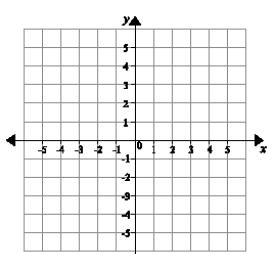
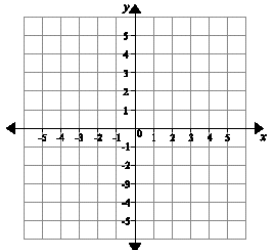
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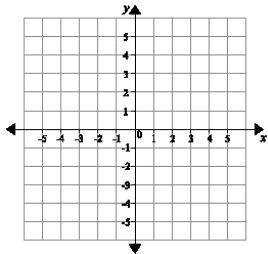
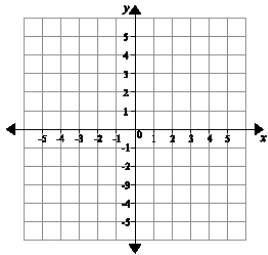
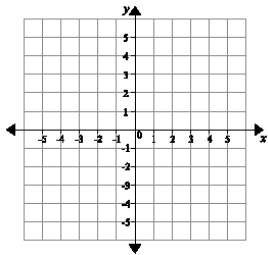
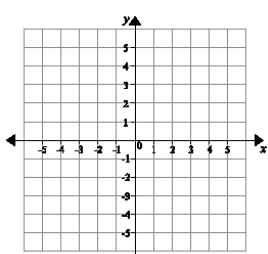
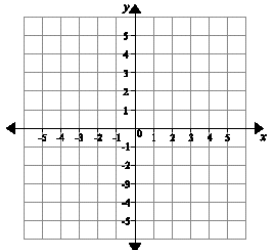
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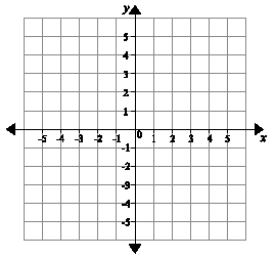
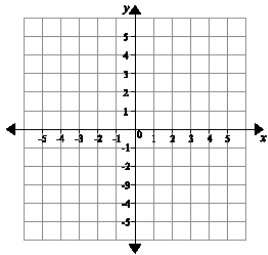
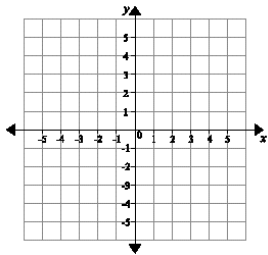
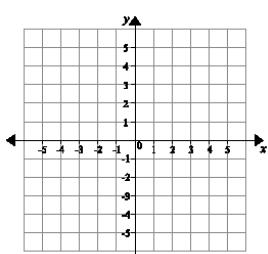
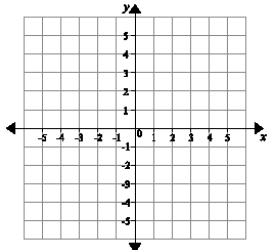
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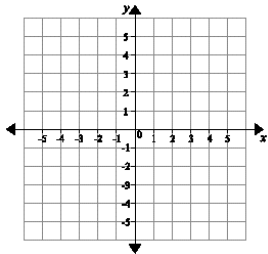
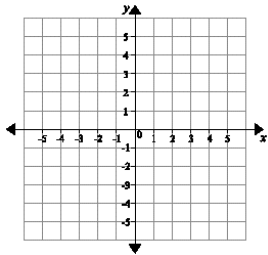
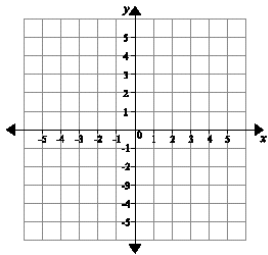
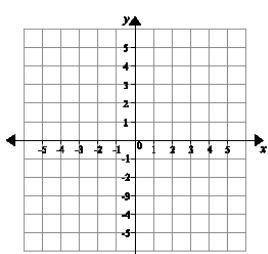
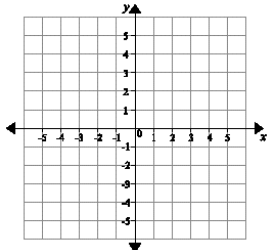
Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
<p><math>(-3, 1)</math>  <math>(2, -2)</math>            The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math>  <math>(-4/3, 0)</math></p>	
<p>The line perpendicular to the line:  <math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math>  <math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math>            No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept  <math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:  <math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math>  <math>(-3, 0)</math></p>	

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Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
$3x = 4y + 6$	$3x - 4y - 6 = 0$	$y = \frac{3}{4}x - \frac{3}{2}$	$( 2 , 0 )$ $( 0 , -3/2 )$	
$m = -2/3$	$2x + 3y - 6 = 0$	$y = -\frac{2}{3}x + 2$	$( 0 , 2 )$ $( 3 , 0 )$	
$( -1 , -2 )$ $( 4 , 3 )$	$x - y - 1 = 0$	$y = x - 1$	$( 0 , -1 )$ $( 1 , 0 )$	
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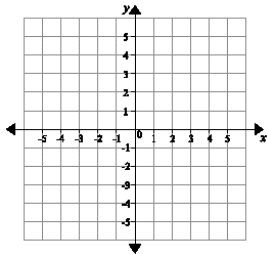
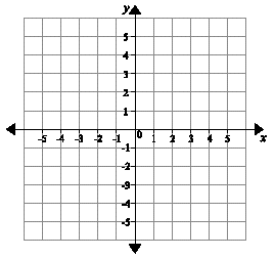
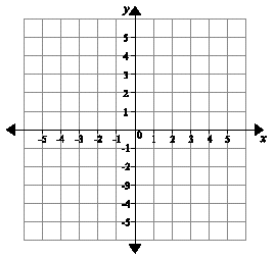
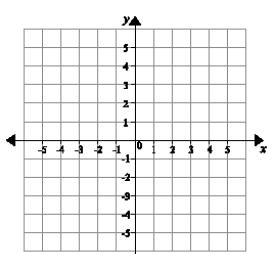
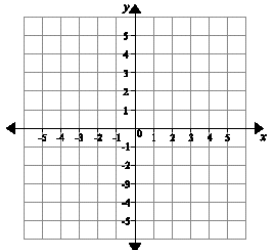
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<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

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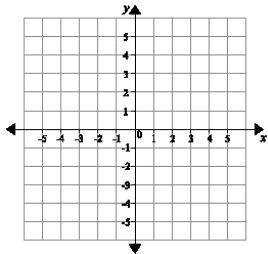
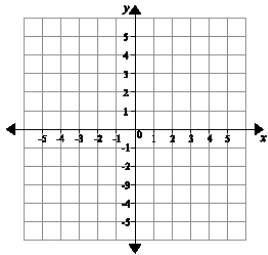
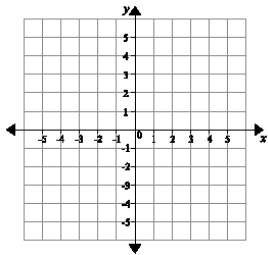
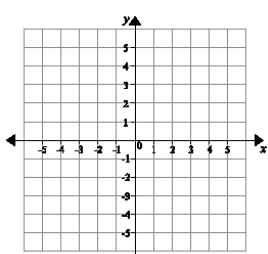
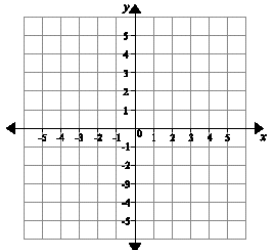
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<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
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<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept  <math>(1, 0)</math></p>	
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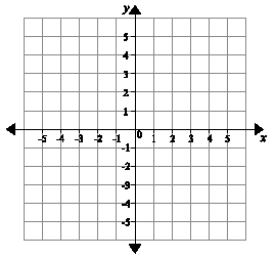
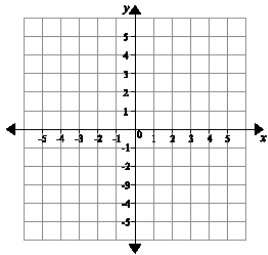
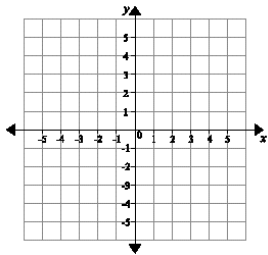
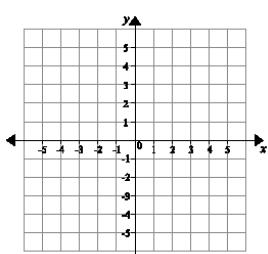
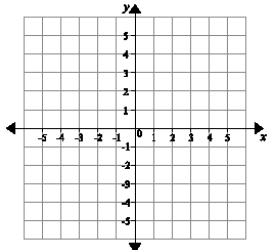
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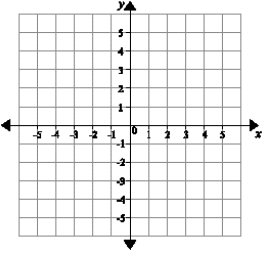
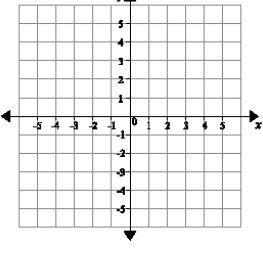
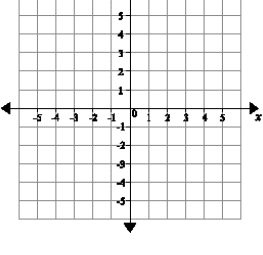
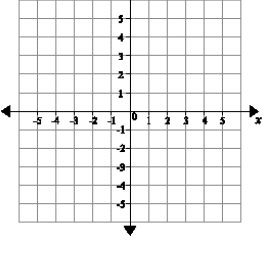
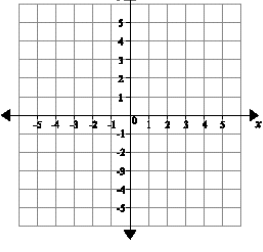
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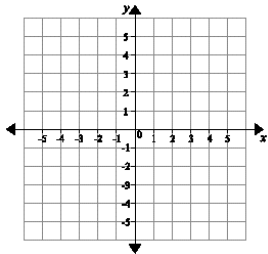
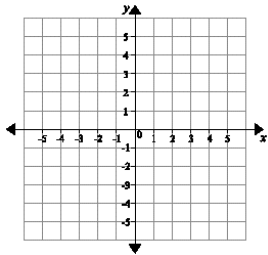
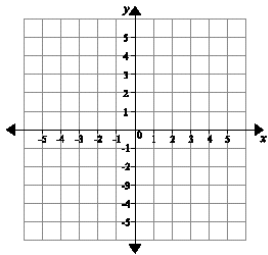
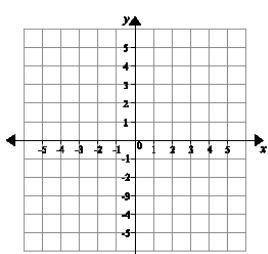
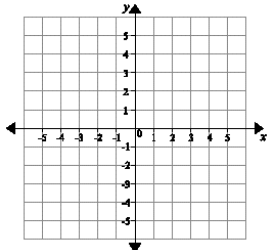
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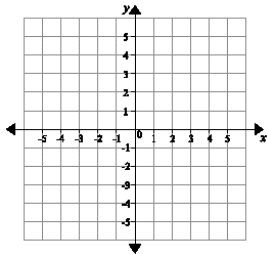
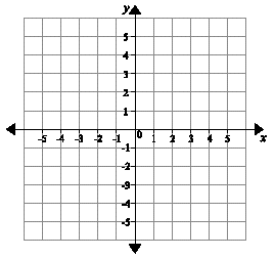
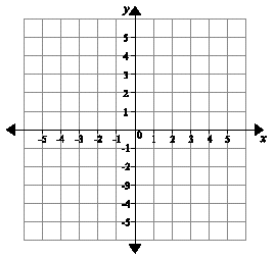
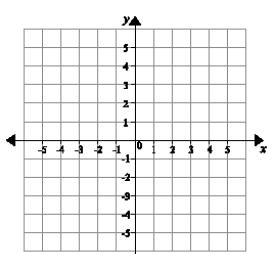
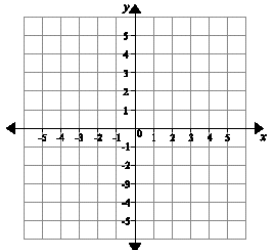
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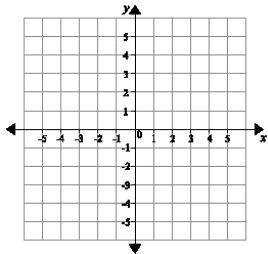
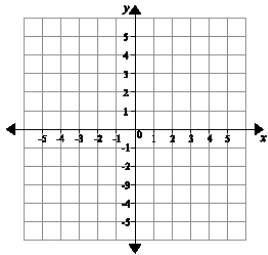
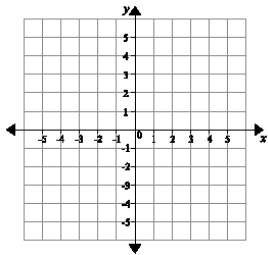
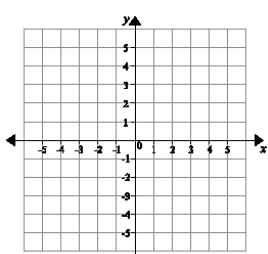
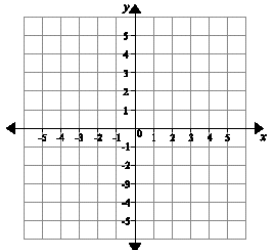
Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
<p><math>(-3, 1)</math></p> <p><math>(2, -2)</math></p> <p>The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math></p> <p><math>(-4/3, 0)</math></p>	
<p>The line perpendicular to the line:</p> <p><math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math></p> <p><math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math></p> <p>No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

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Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
$3x = 4y + 6$	$3x - 4y - 6 = 0$	$y = \frac{3}{4}x - \frac{3}{2}$	$( 2 , 0 )$ $( 0 , -3/2 )$	
$m = -2/3$	$2x + 3y - 6 = 0$	$y = -\frac{2}{3}x + 2$	$( 0 , 2 )$ $( 3 , 0 )$	
$( -1 , -2 )$ $( 4 , 3 )$	$x - y - 1 = 0$	$y = x - 1$	$( 0 , -1 )$ $( 1 , 0 )$	
See right	$2x - y - 3 = 0$	$y = 2x - 3$	$( 0 , -3 )$ $( 3/2 , 0 )$	
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Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
<p><math>(-3, 1)</math></p> <p><math>(2, -2)</math></p> <p>The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math></p> <p><math>(-4/3, 0)</math></p>	
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<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

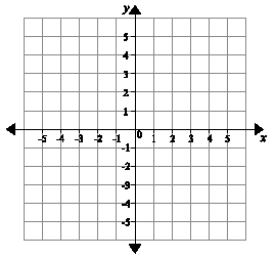
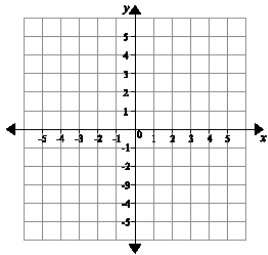
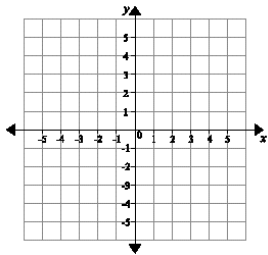
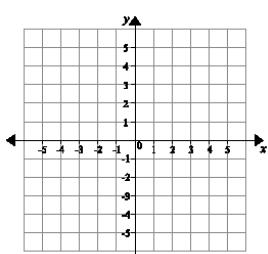
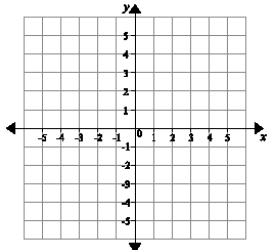
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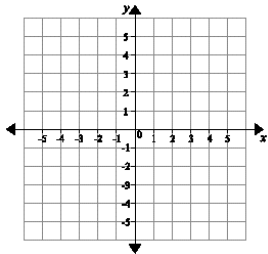
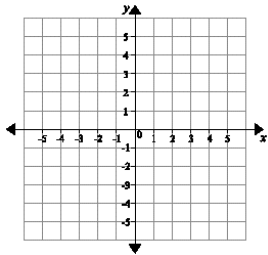
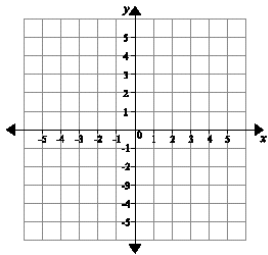
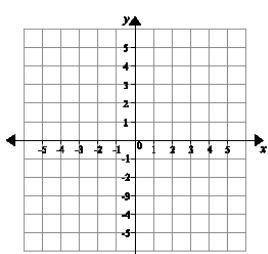
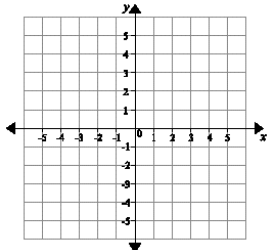
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<p>The line perpendicular to the line:  <math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math>  <math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math>            No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept  <math>(1, 0)</math></p>	
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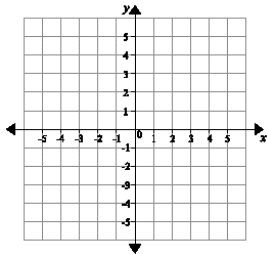
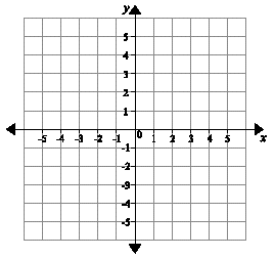
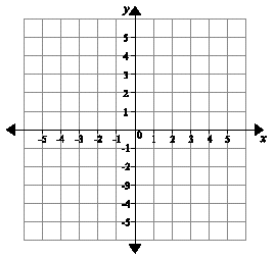
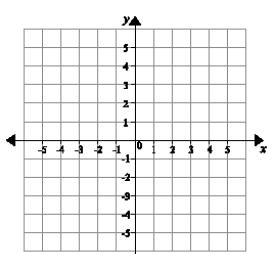
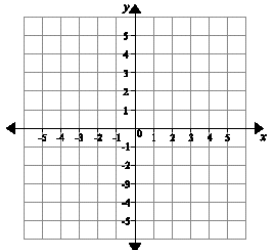
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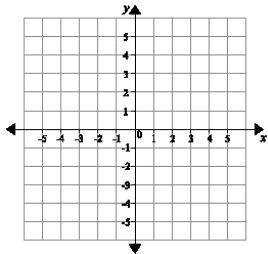
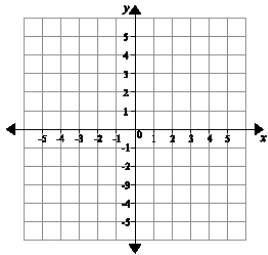
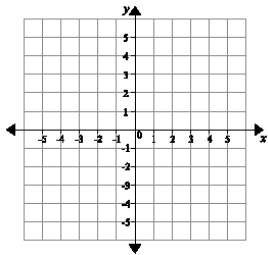
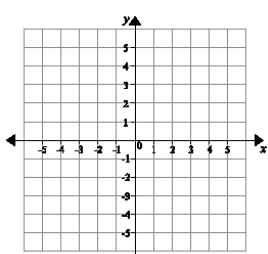
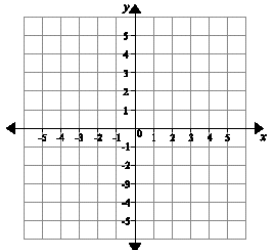
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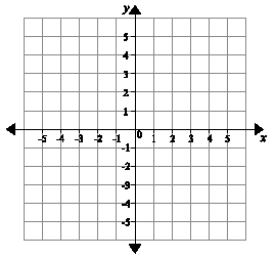
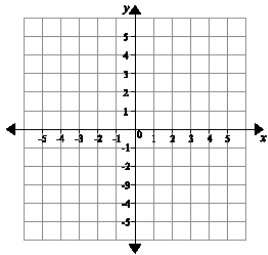
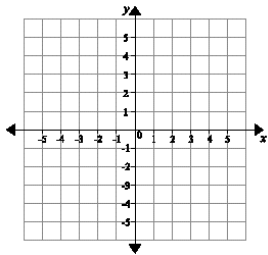
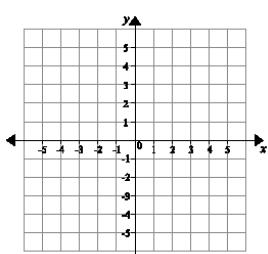
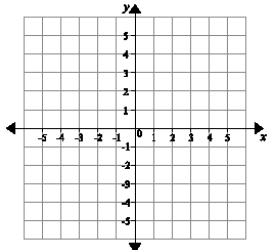
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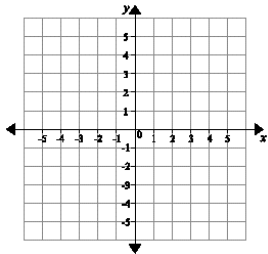
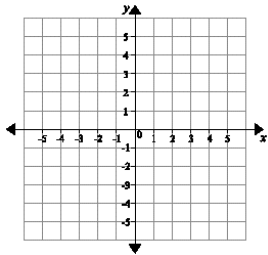
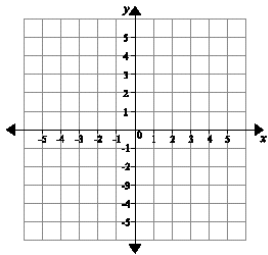
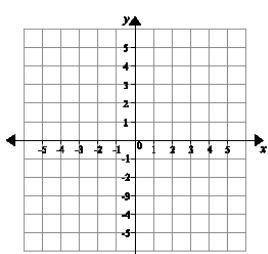
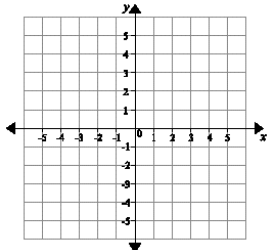
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<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
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$( -1 , -2 )$ $( 4 , 3 )$	$x - y - 1 = 0$	$y = x - 1$	$( 0 , -1 )$ $( 1 , 0 )$	
See right	$2x - y - 3 = 0$	$y = 2x - 3$	$( 0 , -3 )$ $( 3/2 , 0 )$	
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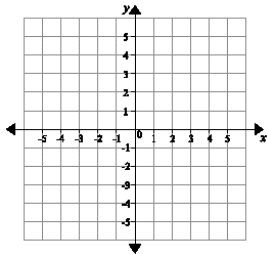
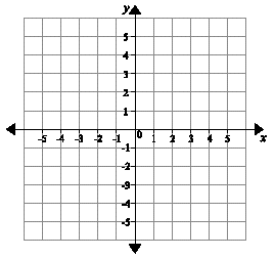
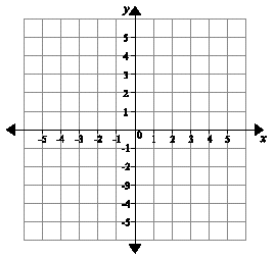
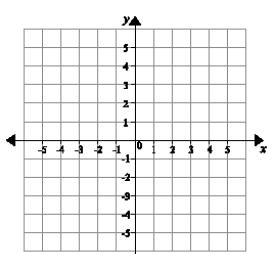
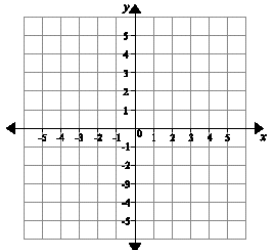
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<p><math>(-3, 1)</math></p> <p><math>(2, -2)</math></p> <p>The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math></p> <p><math>(-4/3, 0)</math></p>	
<p>The line perpendicular to the line:</p> <p><math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math></p> <p><math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math></p> <p>No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

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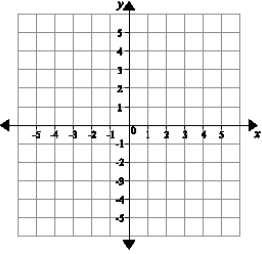
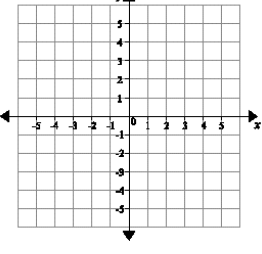
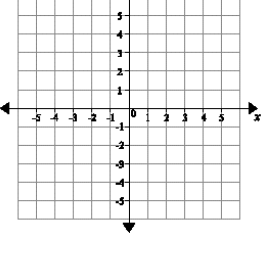
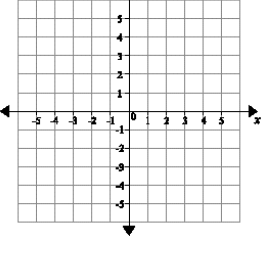
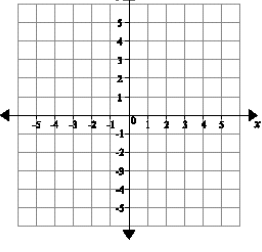
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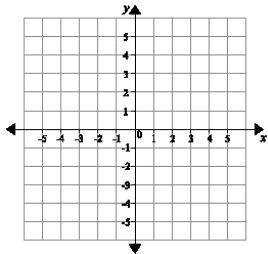
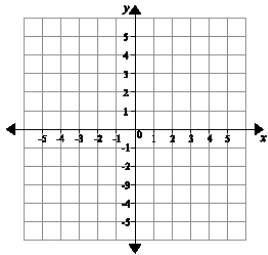
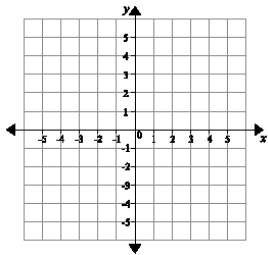
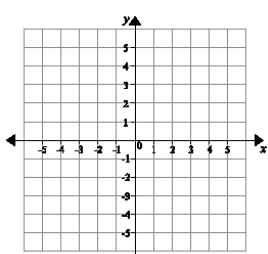
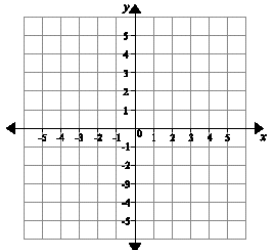
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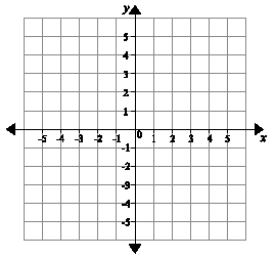
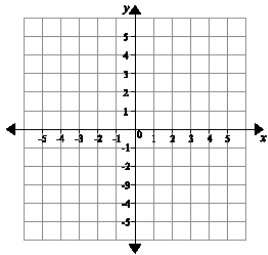
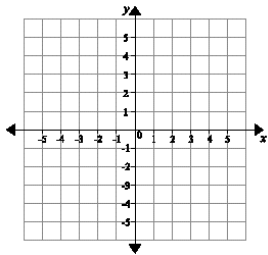
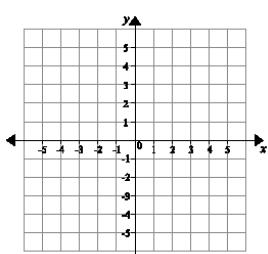
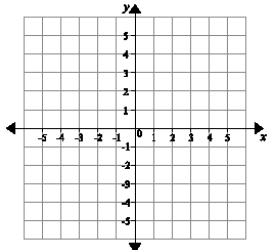
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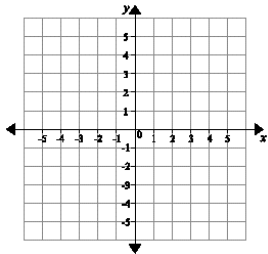
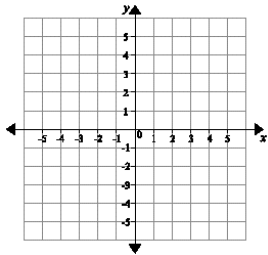
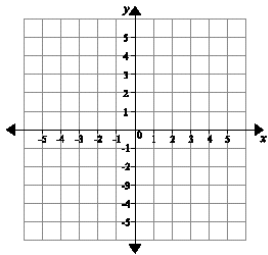
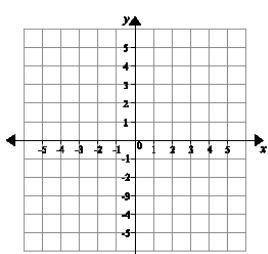
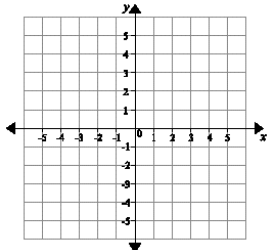
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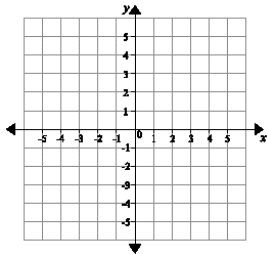
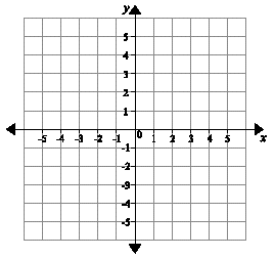
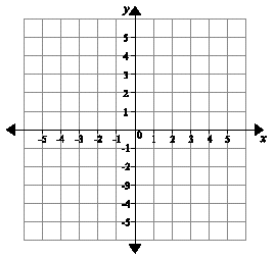
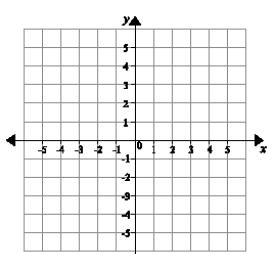
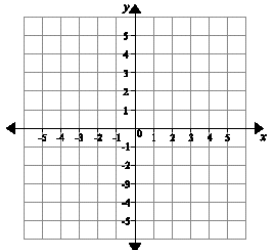
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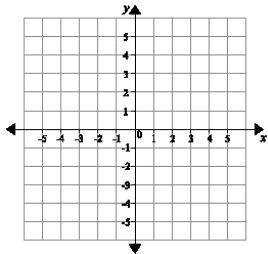
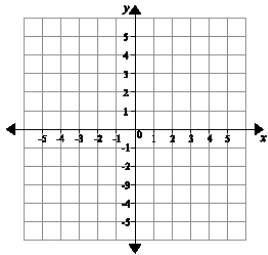
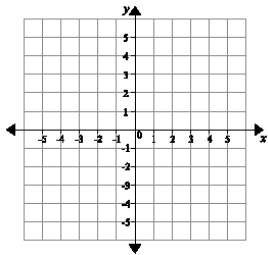
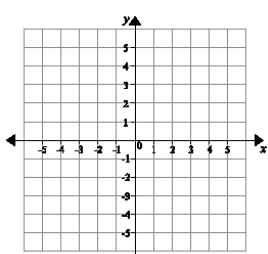
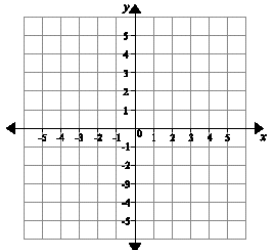
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Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
<p><math>(-3, 1)</math></p> <p><math>(2, -2)</math></p> <p>The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math></p> <p><math>(-4/3, 0)</math></p>	
<p>The line perpendicular to the line:</p> <p><math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math></p> <p><math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math></p> <p>No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept</p> <p><math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:</p> <p><math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math></p> <p><math>(-3, 0)</math></p>	

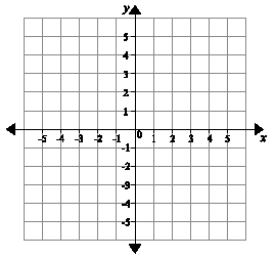
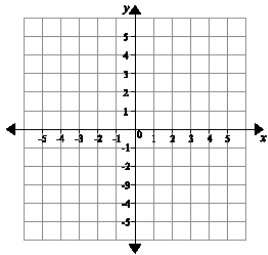
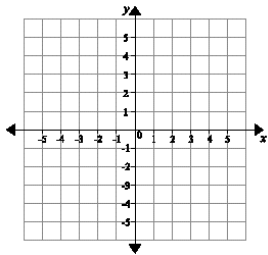
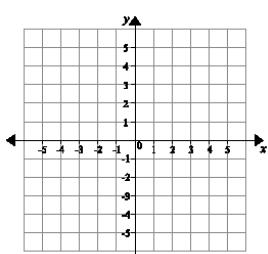
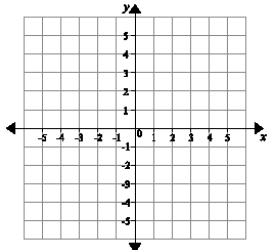
“I’m an optimist. But I’m an optimist who brings his raincoat.” Harold Wilson



Name Key

I love linear equations!

Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
$3x = 4y + 6$	$3x - 4y - 6 = 0$	$y = \frac{3}{4}x - \frac{3}{2}$	$( 2 , 0 )$ $( 0 , -3/2 )$	
$m = -2/3$	$2x + 3y - 6 = 0$	$y = -\frac{2}{3}x + 2$	$( 0 , 2 )$ $( 3 , 0 )$	
$( -1 , -2 )$ $( 4 , 3 )$	$x - y - 1 = 0$	$y = x - 1$	$( 0 , -1 )$ $( 1 , 0 )$	
See right	$2x - y - 3 = 0$	$y = 2x - 3$	$( 0 , -3 )$ $( 3/2 , 0 )$	
See right	$4x - y + 1 = 0$	$y = 4x + 1$	$( 0 , 1 )$ $( -1/4 , 0 )$	

Given Info	$ax + by + d = 0$ Form	$y = mx + c$ Form	Intercepts	Graph
<p><math>(-3, 1)</math>  <math>(2, -2)</math>            The line that passes through these 2 points.</p>	$3x + 5y + 4 = 0$	$y = -\frac{3}{5}x - \frac{4}{5}$	<p><math>(0, -4/5)</math>  <math>(-4/3, 0)</math></p>	
<p>The line perpendicular to the line:  <math>y = -3x + 2</math></p>	$x - 3y + 12 = 0$	$y = \frac{1}{3}x + 4$	<p><math>(-12, 0)</math>  <math>(0, 4)</math></p>	
<p>The line through <math>(2, 3)</math> and <math>(-4, 3)</math></p>	$y - 3 = 0$	$y = 3$	<p><math>(0, 3)</math>            No x-intercept</p>	
<p>The line through <math>(1, -4)</math> and <math>(1, 2)</math></p>	$x - 1 = 0$	$x = 1$	<p>No y-intercept  <math>(1, 0)</math></p>	
<p>The line that is perpendicular to the line:  <math>y = -2x + 3</math></p>	$x - 2y + 3 = 0$	$y = \frac{1}{2}x + \frac{3}{2}$	<p><math>(0, 3/2)</math>  <math>(-3, 0)</math></p>	

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