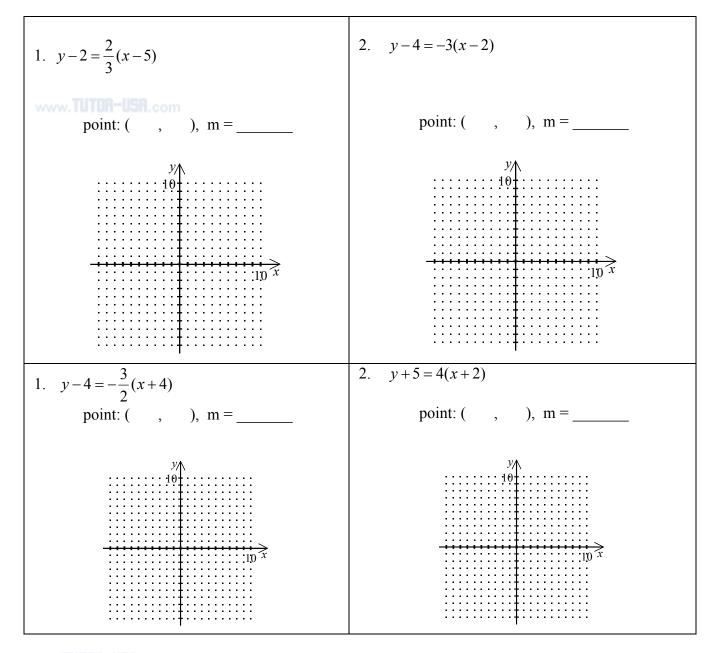
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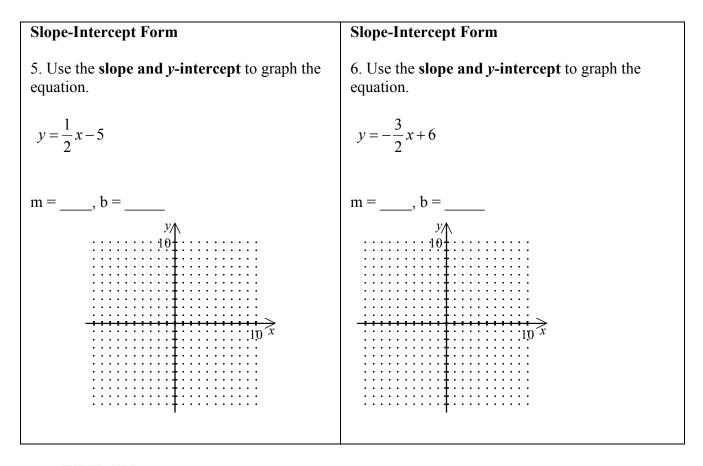
## Algebra – Slope

Slope-Intercept Form	Standard Form	Point-Slope Form
y = mx + b	Ax + By = C	$(y - y_1) = m(x - x_1)$
<i>m</i> is the slope and <i>b</i> is the <i>y</i> -intercept.	A and B are not both 0.	$(x_1, y_1)$ lies on the graph of the equation, and <i>m</i> is the slope.
Examples		
$y = -\frac{2}{3}x + \frac{5}{3}$	2x + 3y = 5	$y - 1 = -\frac{2}{3}(x - 1)$

In 1-4, each equation is in point-slope form. Identify the point and slope of each equation and use them to graph a line.



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Standard Form	Standard Form
7. Graph the equation using <i>x</i> - and <i>y</i> - intercepts. 3x + 7y = 21	8. Graph the equation using <i>x</i> - and <i>y</i> -intercepts. -5x + 7y = 35
x-intercept:, y-intercept:	x-intercept:, y-intercept: $\downarrow \downarrow \uparrow \uparrow \uparrow$

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