

Algebra I
Slope Intercept Form
Worksheet 1

Name: _____

What is slope intercept form? _____

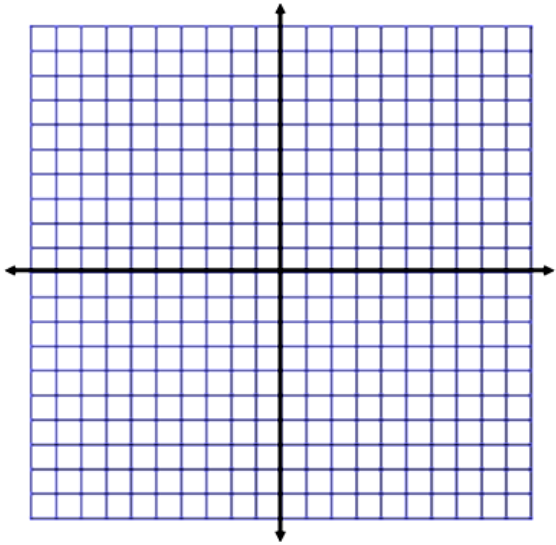
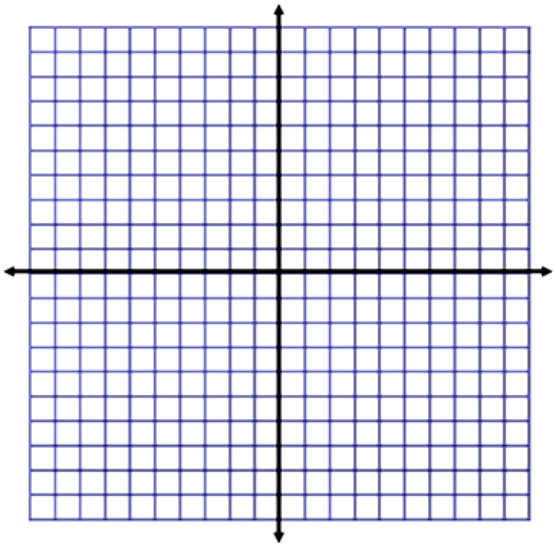
What does the m represent: _____

What does the b represent: _____

Put each equation into slope intercept form. Leave any fractions as simplified improper fractions.

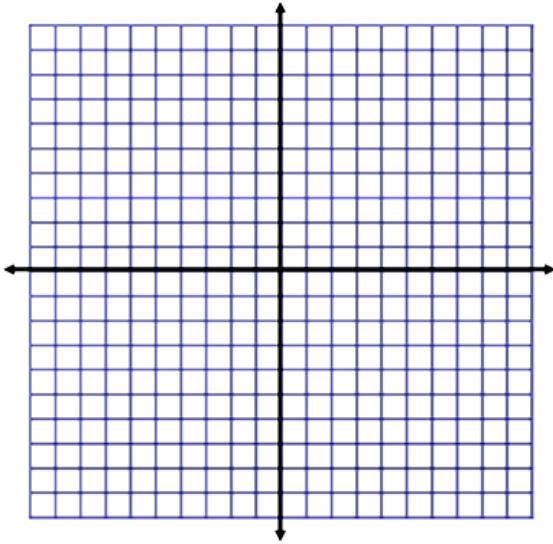
1. $y - 3x = 19$	2. $2y - 8x = 20$	3. $15 = -3y + 21x$
4. $5x - 6y = 22$	5. $-y = -7x + 32$	6. $7y + 42 = -14x$

Graph each equation. State the slope and y- intercept.

<p>1. $y = 2x + 5$</p> <p>Slope : _____ y- int: _____</p> 	<p>2. $-y = \frac{2}{3}x + 4$</p> <p>Slope : _____ y- int: _____</p> 
--	--

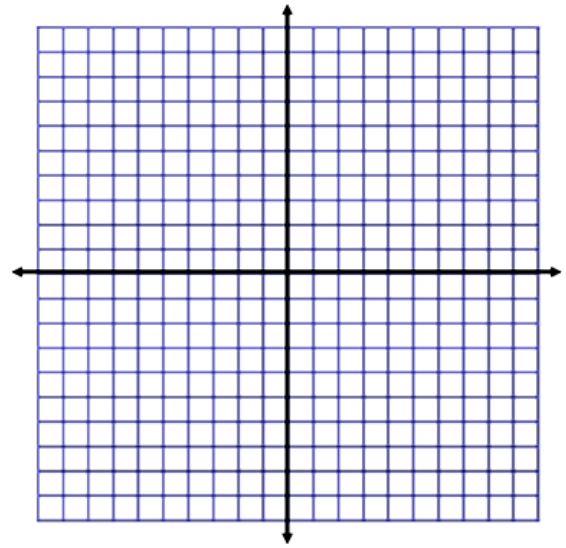
3. $3y - 4x = 12$

Slope : _____ y- int: _____



4. $5x + 2y = -10$

Slope : _____ y- int: _____



Write the equation of a line with the given information:

1. Slope of $-\frac{5}{3}$, through $(0, -4)$

2. Through the points $(-1, -9)$ and $(2, 6)$

3. Through the points $(-1, 10)$ and $(3, 2)$

4. Through the points $(3, 8)$ and $(-3, 4)$

5. Through the points $(-2, 27)$ and $(2, -9)$