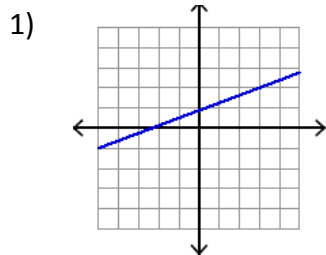
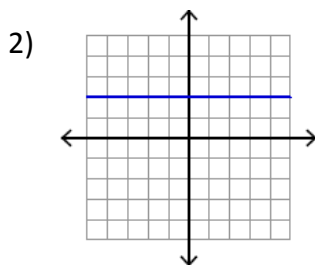
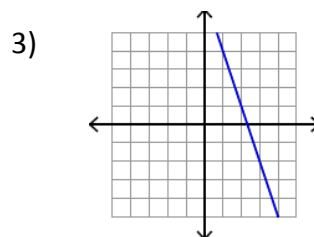


Name \_\_\_\_\_ Block \_\_\_\_\_ Date \_\_\_\_\_

**Essential Question:****Review: Find the slope of the line. Draw rise and run when possible.** $m = \underline{\hspace{2cm}}$  $m = \underline{\hspace{2cm}}$  $m = \underline{\hspace{2cm}}$ **Review: Find the slope of the line that passes through these points. Use the slope formula.**

4)  $(7, -4), (9, -1)$

 $m = \underline{\hspace{2cm}}$ 

5)  $(3, 5), (-2, 5)$

 $m = \underline{\hspace{2cm}}$ 

6)  $(-1, 3), (-1, 0)$

 $m = \underline{\hspace{2cm}}$ **Slope-Intercept Form**

$$y = mx + b$$

 $m$  is the \_\_\_\_\_ $b$  is the \_\_\_\_\_**I. Find the slope and y-intercept of each Slope-Intercept Form equation.**

1)  $y = 2x + 3$

 $m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$ 

2)  $y = -\frac{2}{3}x - 4$

 $m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$ 

3)  $y = \frac{1}{3}x - 2$

 $m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$ 

4)  $y = -\frac{x}{5} + 4$

 $m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$ 

5)  $y = \frac{7x}{13} - 14$

 $m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$ 

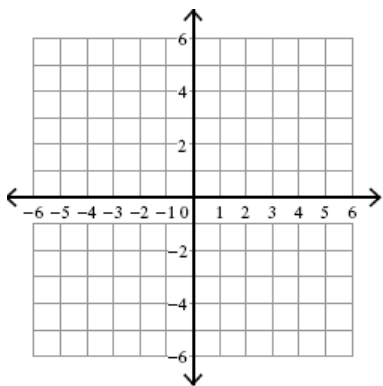
6)  $y = -16$

 $m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$

II. Identify the slope and the y-intercept. Graph the Slope-Intercept Form equations. Label two important points.

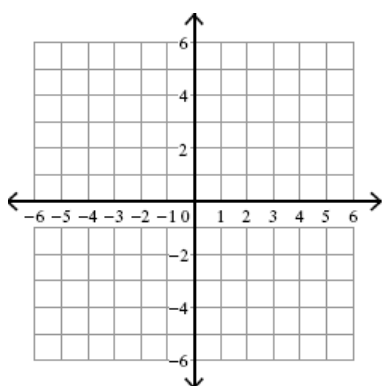
7)  $y = 7x - 5$

$m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$



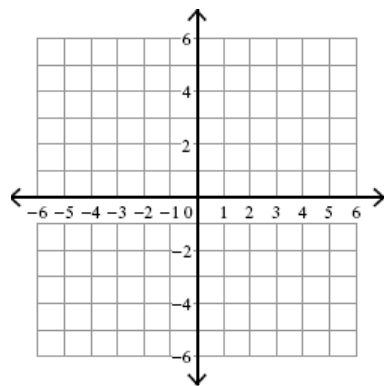
8)  $y = -\frac{5}{2}x + 5$

$m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$



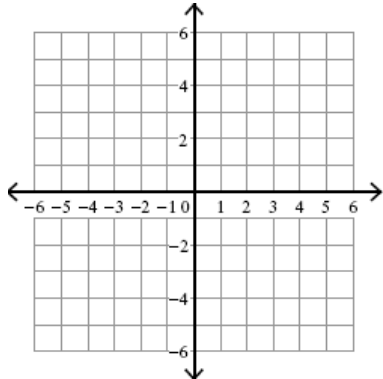
9)  $y = 5$

$m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$



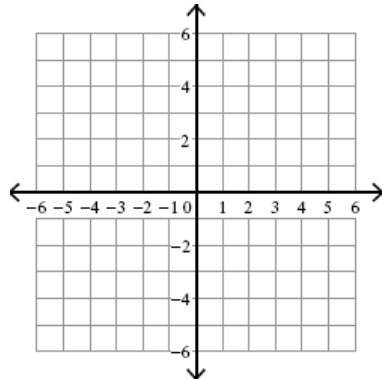
10)  $y = -\frac{2}{5}x - 4$

$m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$



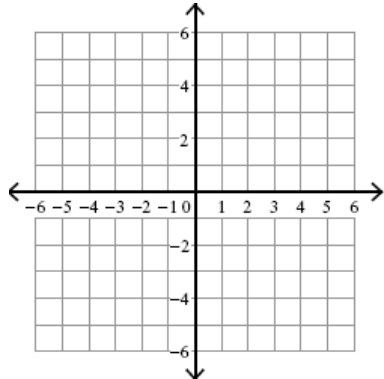
11)  $y = 6x - 5$

$m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$



12)  $y = \frac{3}{5}x$

$m = \underline{\hspace{2cm}}$   $b = \underline{\hspace{2cm}}$



III. Write an equation in Slope-Intercept form given  $m$  and  $b$ .

1)  $m = \frac{3}{2}; b = -8$

SI:                                 

2)  $m = -3; b = -\frac{2}{3}$

SI:                                 

3)  $m = 0; b = 7$

SI:                                 

4)  $m = -\frac{4}{7}; b = 0$

SI:                                 

5)  $m = 4; b = -7$

SI:                                 

6)  $m = \frac{3}{8}; b = -\frac{5}{6}$

SI:

Write an equation in Slope-Intercept form given 2 points.

1)  $(-3, -1), (6, -4)$

2)  $(-3, -4), (-2, -8)$

3)  $(5, 1), (8, -2)$

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

SI:  $\underline{\hspace{4cm}}$

SI:  $\underline{\hspace{4cm}}$

SI:  $\underline{\hspace{4cm}}$

4)  $(6, 0), (0, 4)$

5)  $(-5, 2), (0, 7)$

6)  $(5, 2), (-7, -4)$

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

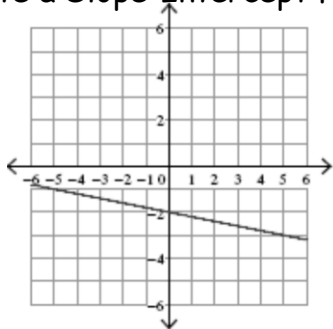
SI:  $\underline{\hspace{4cm}}$

SI:  $\underline{\hspace{4cm}}$

SI:  $\underline{\hspace{4cm}}$

Write a Slope-Intercept Form equation for each line.

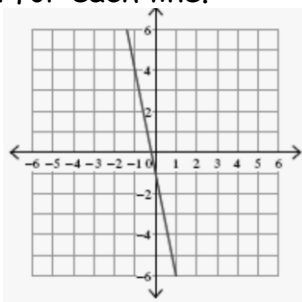
1)



$m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$

SI:  $\underline{\hspace{4cm}}$

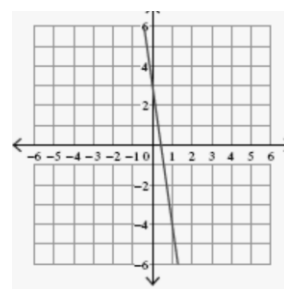
2)



$m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$

SI:  $\underline{\hspace{4cm}}$

3)



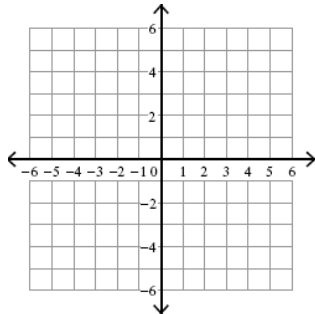
$m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$

SI:  $\underline{\hspace{4cm}}$

Write the each equation in slope-intercept form, then graph the equation.

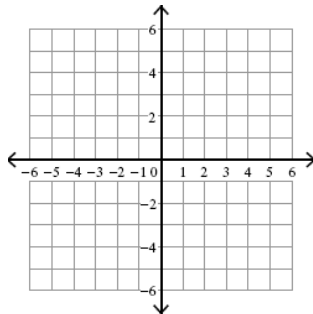
1)  $4x + 2y = 12$

SI: \_\_\_\_\_



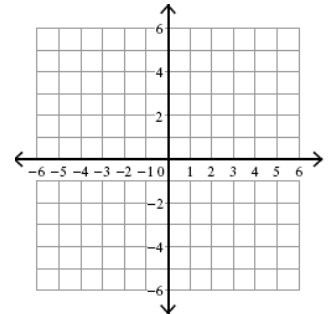
2)  $3x - 4y = 8$

SI = \_\_\_\_\_



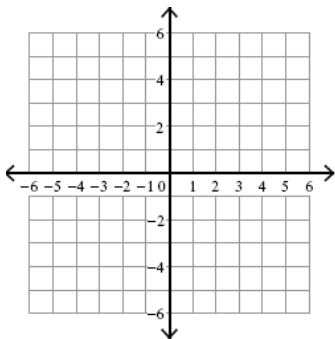
3)  $6x - 2y = 4$

SI = \_\_\_\_\_



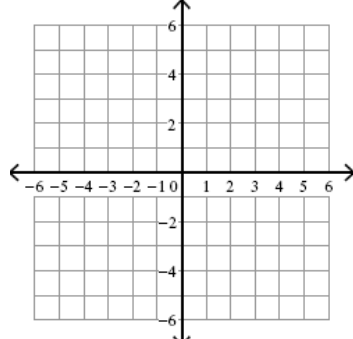
4)  $4y = 5x - 12$

SI = \_\_\_\_\_



5)  $3x - y = 2$

SI = \_\_\_\_\_



6)  $y + 3 = 2(x - 1)$

SI = \_\_\_\_\_

