

# Writing Linear Equations from Graphs

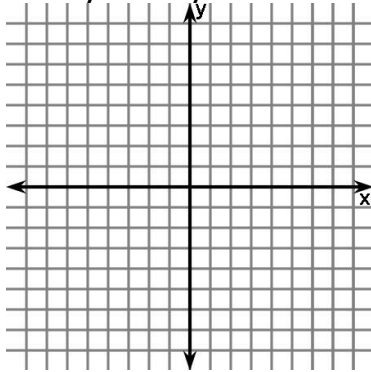
Name \_\_\_\_\_

"Getting ready for Algebra"

Date \_\_\_\_\_ Assignment # \_\_\_\_\_

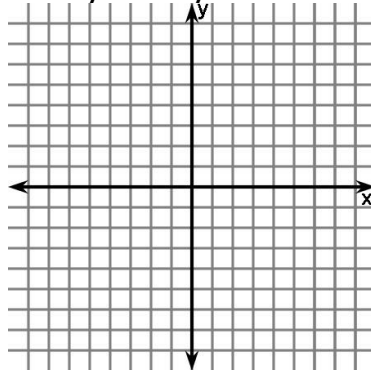
- \*Graph the two given points.
- \*Sketch the line through the two points.
- \*Calculate the slope—Use a slope triangle or use the slope formula  $m = \frac{y_2 - y_1}{x_2 - x_1}$
- \*Find the y-intercept—(Make  $x = 0$ )
- \*Write the equation of the line using the slope and the y-intercept. ( $y = mx + b$ )

1)  $(-1,5), (-2,7)$   
 $x_1 \ y_1 \ x_2 \ y_2$



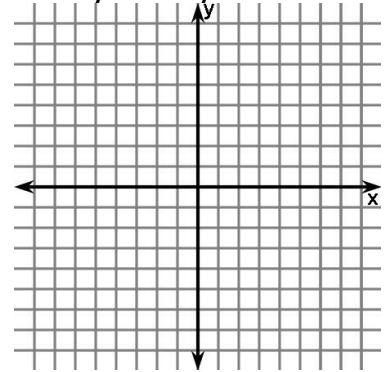
slope = \_\_\_\_\_  
 y-int = \_\_\_\_\_  
 Equation of Line: \_\_\_\_\_

2)  $(3,2), (8,5)$   
 $x_1 \ y_1 \ x_2 \ y_2$



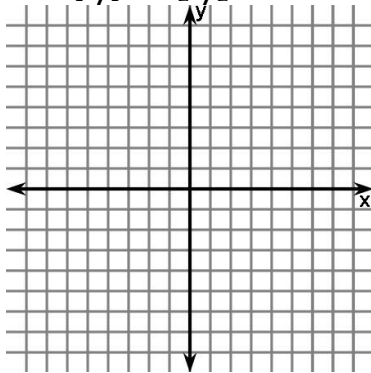
slope = \_\_\_\_\_  
 y-int = \_\_\_\_\_  
 Equation of Line: \_\_\_\_\_

3)  $(2,5), (5,2)$   
 $x_1 \ y_1 \ x_2 \ y_2$



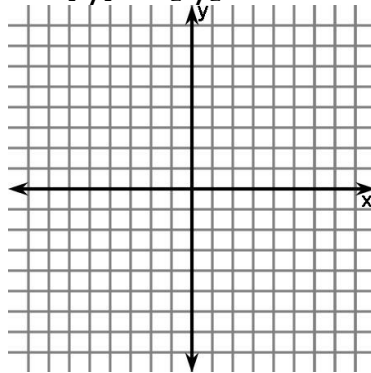
slope = \_\_\_\_\_  
 y-int = \_\_\_\_\_  
 Equation of Line: \_\_\_\_\_

4)  $(2,-3), (-1,2)$   
 $x_1 \ y_1 \ x_2 \ y_2$



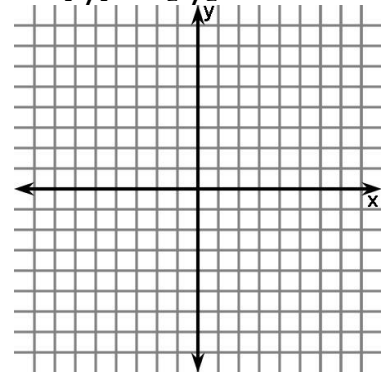
slope = \_\_\_\_\_  
 y-int = \_\_\_\_\_  
 Equation of Line: \_\_\_\_\_

5)  $(4,-1), (2,-6)$   
 $x_1 \ y_1 \ x_2 \ y_2$



slope = \_\_\_\_\_  
 y-int = \_\_\_\_\_  
 Equation of Line: \_\_\_\_\_

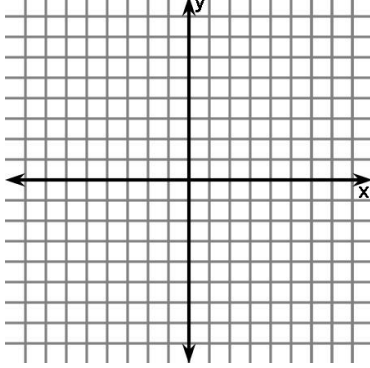
6)  $(1,3), (2,2)$   
 $x_1 \ y_1 \ x_2 \ y_2$



slope = \_\_\_\_\_  
 y-int = \_\_\_\_\_  
 Equation of Line: \_\_\_\_\_

7)  $(-7,3), (7,-2)$

$x_1 y_1 \quad x_2 y_2$



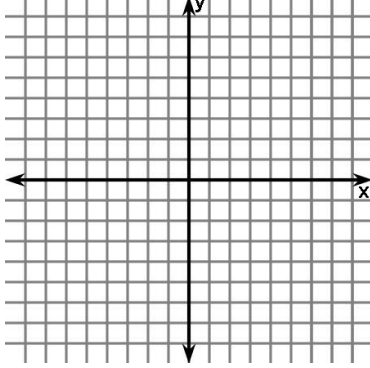
slope = \_\_\_\_\_

y-int = \_\_\_\_\_

Equation  
of Line: \_\_\_\_\_

8)  $(8,-2), (6,2)$

$x_1 y_1 \quad x_2 y_2$



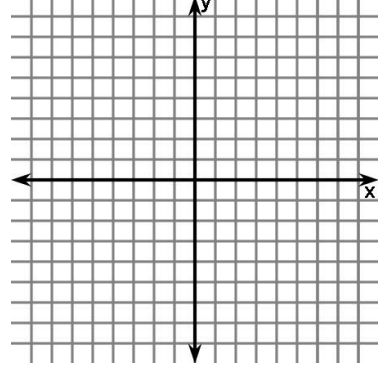
slope = \_\_\_\_\_

y-int = \_\_\_\_\_

Equation  
of Line: \_\_\_\_\_

9)  $(5,7), (3,-2)$

$x_1 y_1 \quad x_2 y_2$



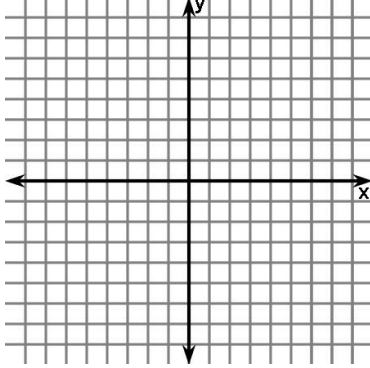
slope = \_\_\_\_\_

y-int = \_\_\_\_\_

Equation  
of Line: \_\_\_\_\_

10)  $(-2,5), (7,-8)$

$x_1 y_1 \quad x_2 y_2$



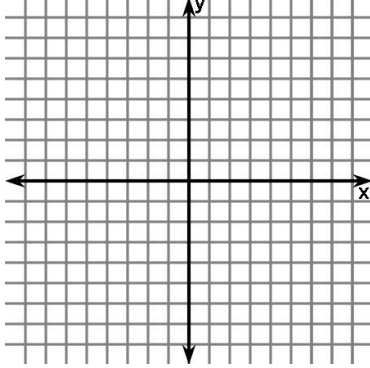
slope = \_\_\_\_\_

y-int = \_\_\_\_\_

Equation  
of Line: \_\_\_\_\_

11)  $(5,-3), (4,3)$

$x_1 y_1 \quad x_2 y_2$



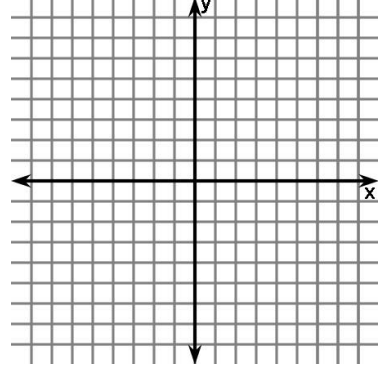
slope = \_\_\_\_\_

y-int = \_\_\_\_\_

Equation  
of Line: \_\_\_\_\_

12)  $(2,-5), (-2,1)$

$x_1 y_1 \quad x_2 y_2$



slope = \_\_\_\_\_

y-int = \_\_\_\_\_

Equation  
of Line: \_\_\_\_\_