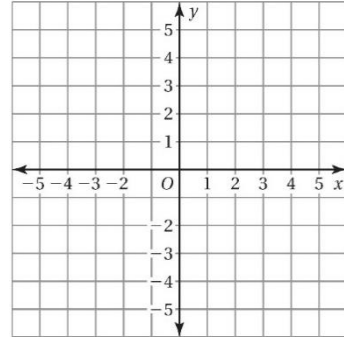
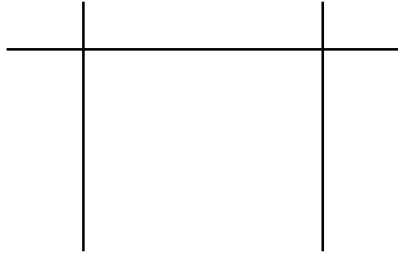


Name: \_\_\_\_\_ Period: \_\_\_\_\_

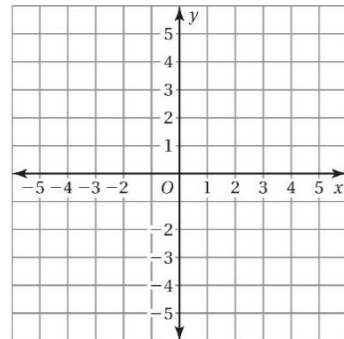
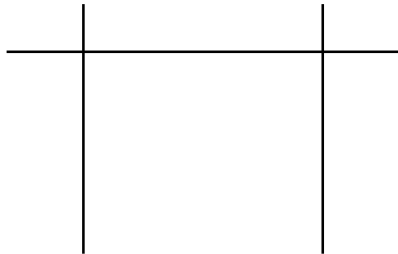
## Review – Graphing Linear Equations and Finding Slope

Graph both linear equations on the coordinate plane on the right. Make sure you use an input/output table with at least 3 ordered pairs for each.

1)  $y = -x - 1$



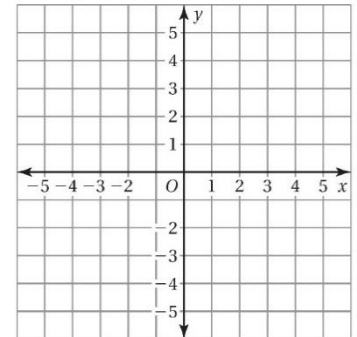
2)  $y - 2 = \frac{1}{3}x$



Graph both of the equations on the coordinate plane on the right. You may make an input/output table if you wish.

3)  $y = -4$

4)  $x = \frac{1}{2}$



5) **Slope-intercept form** is an equation written in the form  $y =$  \_\_\_\_\_, where  $m$  represents the line's \_\_\_\_\_ and  $b$  represents the line's \_\_\_\_\_.

Solve each equation for  $y$ . Then determine the slope and  $y$ -intercept of the equation.

6)  $2y = -4x + 2$

7)  $x - 3y = 9$

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

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

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

9)  $-3x + \frac{1}{2}y = -6$

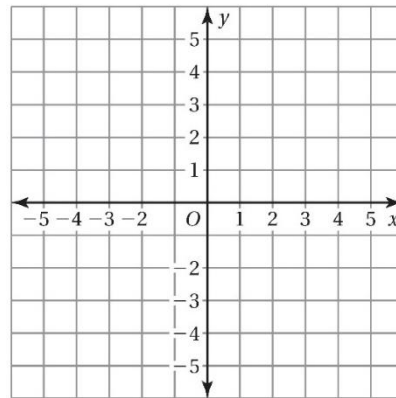
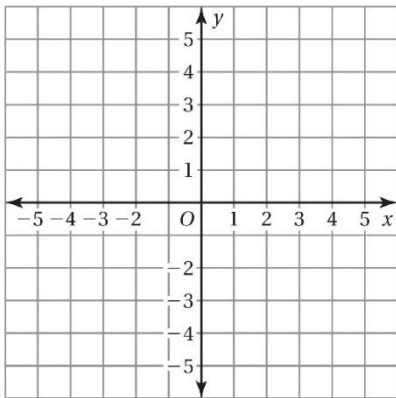
$m = \underline{\hspace{2cm}}$      $b = \underline{\hspace{2cm}}$

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

Graph each line using the given information about the slope and  $y$ -intercept.

10)  $m = -2$  and  $b = 0$

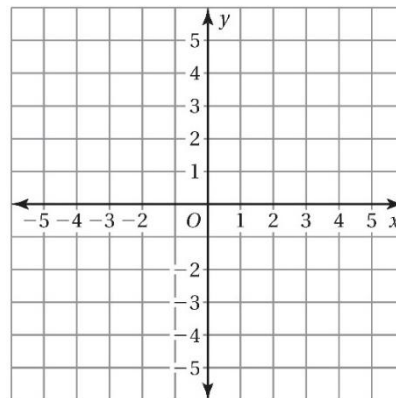
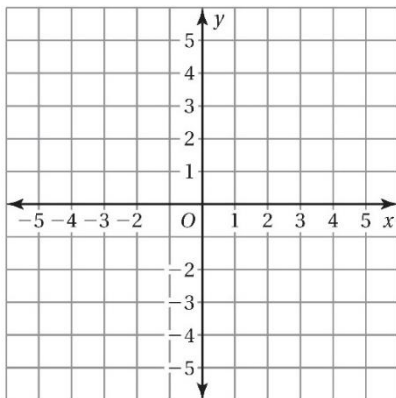
11)  $m = \frac{1}{3}$  and  $b = -5$



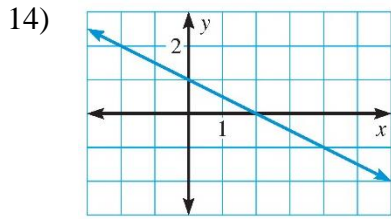
Graph each equation using the slope and the  $y$ -intercept only.

12) Graph  $m = -2$  and  $b = 0$

13) Change to slope intercept form and graph  $3x - 2y = -2$

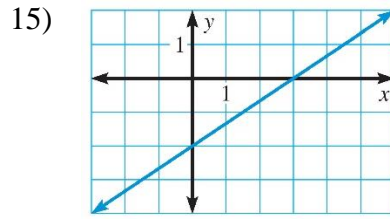


Identify the  $x$ -intercept and the  $y$ -intercept of the graph.



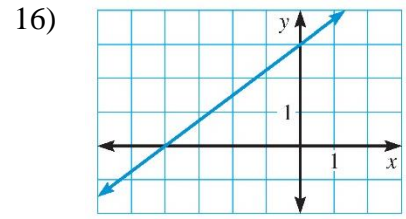
$x$ -intercept : \_\_\_\_\_

$y$ -intercept : \_\_\_\_\_



$x$ -intercept : \_\_\_\_\_

$y$ -intercept : \_\_\_\_\_



$x$ -intercept : \_\_\_\_\_

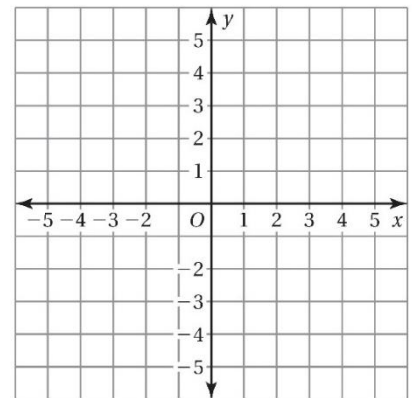
$y$ -intercept : \_\_\_\_\_

Find the  $x$ -intercept and the  $y$ -intercept of each equation, and then graph it.

17)  $-4x + 3y = -12$

$x$ -intercept : \_\_\_\_\_

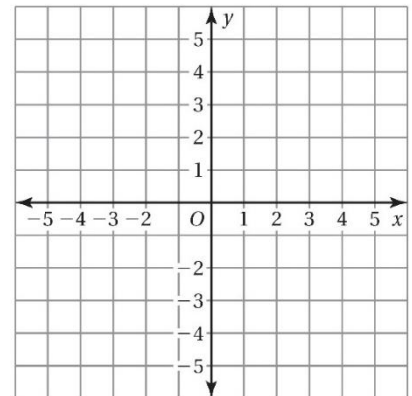
$y$ -intercept : \_\_\_\_\_



18)  $5x - 15y = 30$

$x$ -intercept : \_\_\_\_\_

$y$ -intercept : \_\_\_\_\_



Find the slope of a line that passes through the given points.

19)  $(-2, -2)$  and  $(3, -1)$

20)  $(-3, 1)$  and  $(-1, 5)$

21)  $(-3, 12)$  and  $(-3, 0)$

Solve the equation.

$$22) \quad \frac{3}{4}c + 3 - \frac{1}{4}c = 7$$

$$23) \quad 5(2 - y) + y = -6$$

$$24) \quad 6x - 3(x + 8) = 9$$

Show whether the given ordered pair is a solution of the equation. *Show your work!*

$$25) \quad y = 3x + 4; \quad (-1, 1)$$

$$26) \quad 2x - 3y = 15; \quad (0, 5)$$

$$27) \quad y = 6 - 0.5x; \quad (3, 4.5)$$

$$28) \quad y = -\frac{3}{4}x + 3; \quad (-8, -3)$$