

cw/mw  
2/23

Name KEY  
Date \_\_\_\_\_ Class \_\_\_\_\_

## More Slope Practice

Rewrite each equation in slope-intercept form.

1.  $-x + y = 9$

$$y = x + 9$$

2.  $3x + y = -11$

$$y = -3x - 11$$

3.  $10x - 5y = 50$   $-5y = -10x + 50$

$$y = 2x - 10$$

4.  $y - 4x = 9$

$$y = 4x + 9$$

5.  $2y + 12 = x$

$$y = \frac{1}{2}x - 6$$

6.  $3x - 6y = 18$   $-6y = -3x + 18$

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

Find the slope and y intercept of the equation.

7.  $y = 6x + 4$

$$\begin{aligned} m &= 6 \\ b &= 4 \end{aligned}$$

8.  $y = 3x - 7$

$$\begin{aligned} m &= 3 \\ b &= -7 \end{aligned}$$

9.  $y = 2x - 9$

$$\begin{aligned} m &= 2 \\ b &= -9 \end{aligned}$$

10.  $y = \frac{1}{4}x - 3$

$$\begin{aligned} m &= \frac{1}{4} \\ b &= -3 \end{aligned}$$

11.  $y - 9x = 0$

$$y = 9x$$

$$\begin{aligned} m &= 9 \\ b &= 0 \end{aligned}$$

12.  $y = -2$

$$\begin{aligned} m &= 0 \\ b &= -2 \end{aligned}$$

13.  $12x + 4y = 24$

$$\begin{aligned} 4y &= -12x + 24 \\ y &= -3x + 6 \end{aligned}$$

$$\begin{aligned} m &= -3 \\ b &= 6 \end{aligned}$$

14.  $8x + 4y = 16$

$$\begin{aligned} 4y &= -8x + 16 \\ y &= -2x + 4 \end{aligned}$$

$$\begin{aligned} m &= -2 \\ b &= 4 \end{aligned}$$

15.  $7y - 14x = 28$

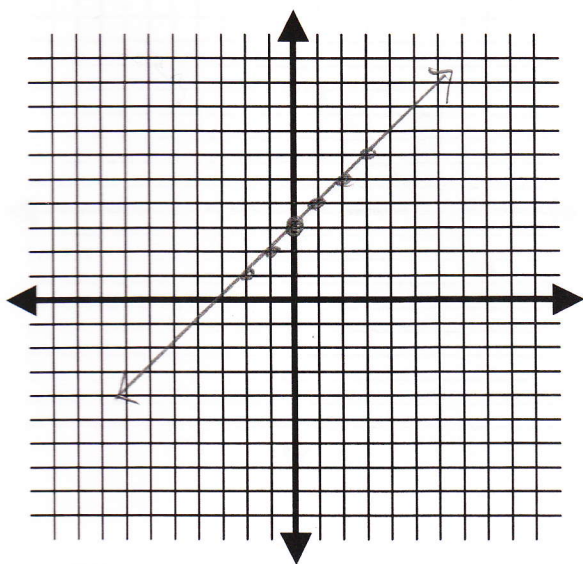
$$\begin{aligned} 7y &= 14x + 28 \\ y &= 2x + 4 \end{aligned}$$

$$\begin{aligned} m &= 2 \\ b &= 4 \end{aligned}$$

Graph the equation using slope-intercept form.

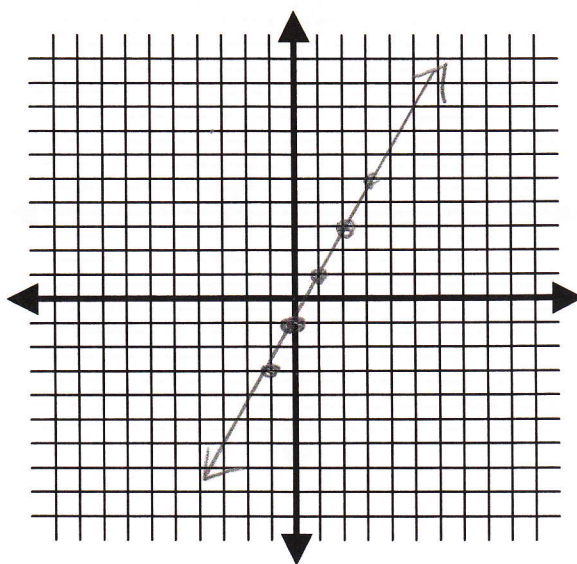
16.  $y = x + 3$

$m = 1$      $b = 3$



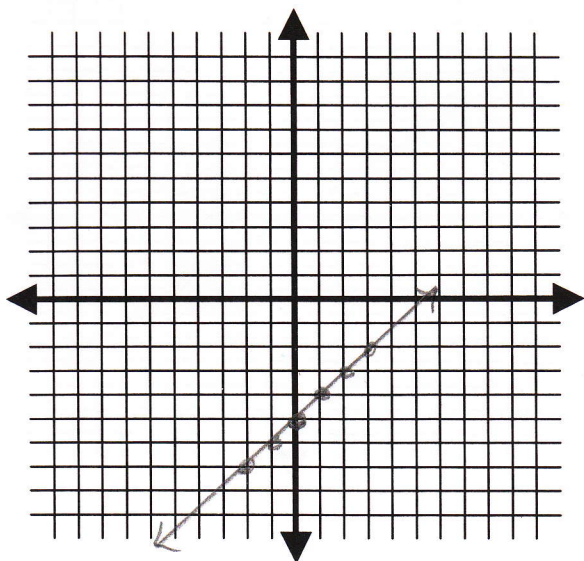
17.  $y = 2x - 1$

$m = 2$      $b = -1$



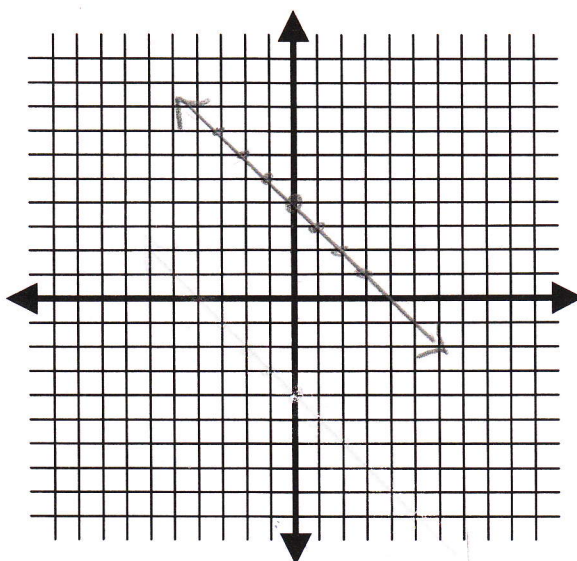
18.  $y = x - 5$

$m = 1$      $b = -5$



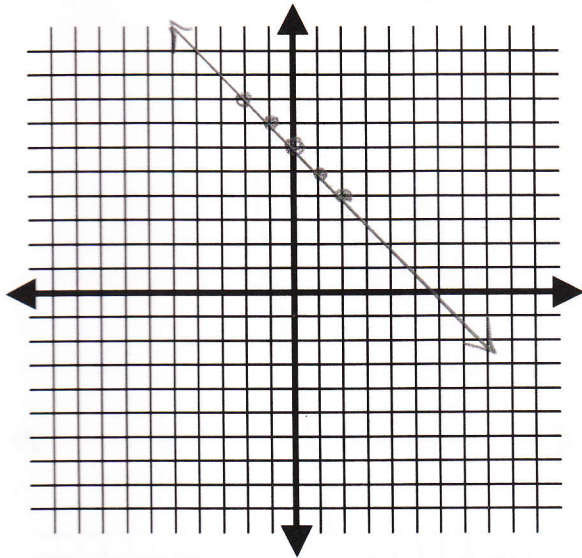
19.  $y = -x + 4$

$m = -1$      $b = 4$



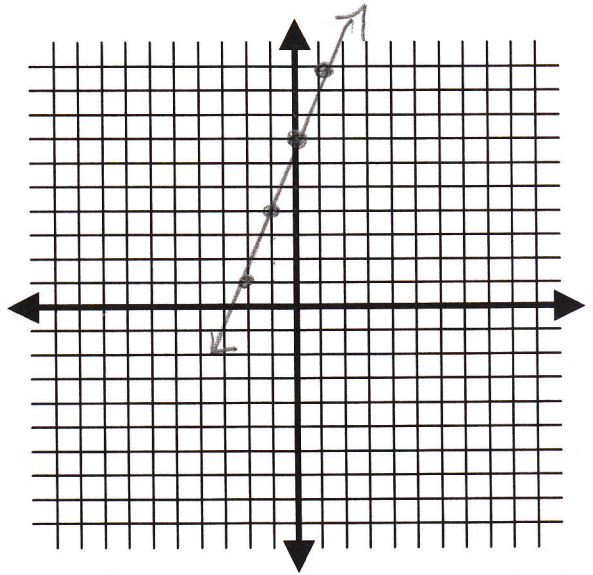
$$20. y = 6 - x$$

$$m = -1 \quad b = 6$$



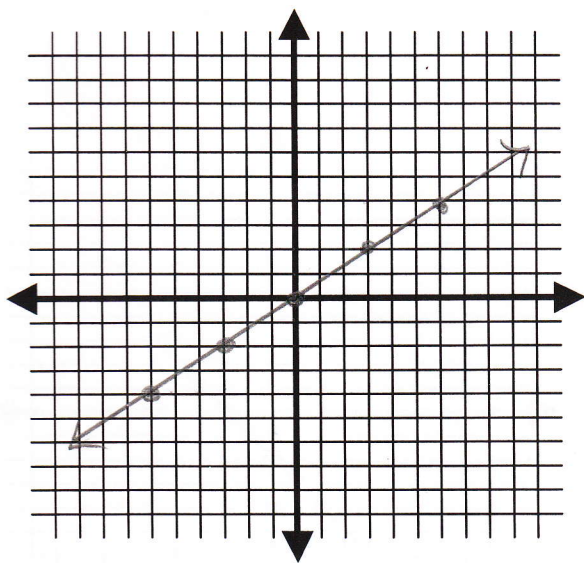
$$21. y = 3x + 7$$

$$m = 3 \quad b = 7$$



$$22. y = \frac{2}{3}x$$

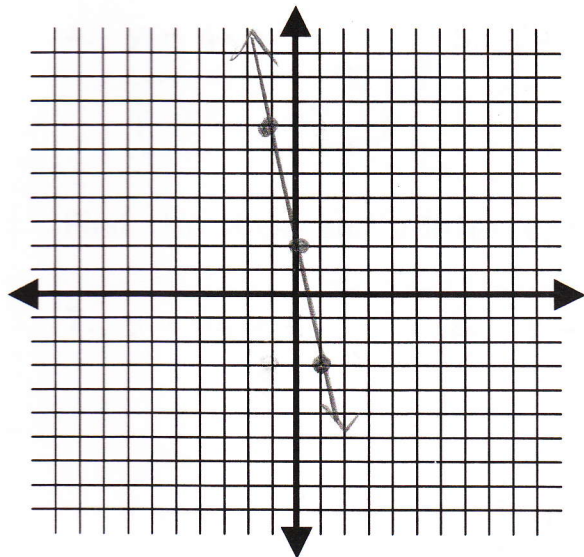
$$m = \frac{2}{3} \quad b = 0$$



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

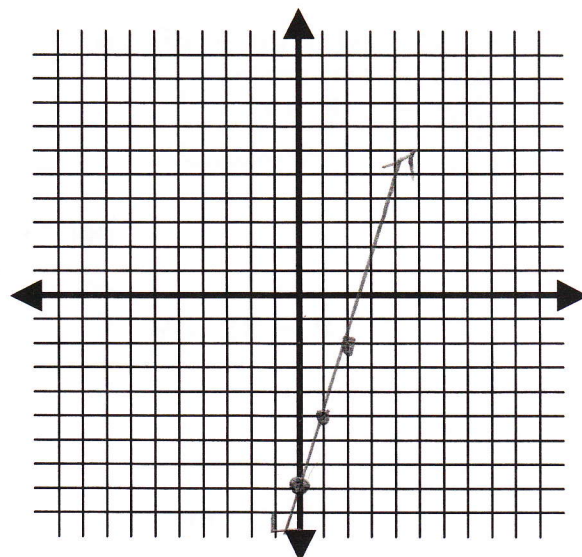
23.  $5x + y = 2$

$$y = -5x + 2$$



24.  $-3x + y = -8$

$$y = 3x - 8$$



25.  $x + y = -2$

$$y = -x - 2$$

