

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Score: \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_ % = \_\_\_\_\_

## HW 10-1: Write Linear Equations

Write the equation of the line in Slope-Intercept Form given the slope and one point.

1.  $m = -\frac{1}{2}$  and  $(6, 0)$

2.  $m = 1$  and  $(2, -1)$

3.  $m = 1$  and  $(2, -1)$

4.  $m = 0$  and  $(3, -4)$

5.  $m = \frac{3}{2}$  and  $(-4, 1)$

6.  $m = -3$  and  $(0, 0)$

7.  $m = 3$  and  $(4, 5)$

8.  $m = \frac{1}{4}$  and  $(1, 1)$

9.  $m = 1$  and  $(-4, -3)$

10.  $m = 2$  and  $(3, 8)$

Write the equation of the line in Slope-Intercept Form given the slope and one point.

11.  $m = -4$  and  $(-6, 1)$

12.  $m = 0$  and  $(0, 5)$

13.  $m = -2$  and  $(1, 3)$

14.  $m = \frac{2}{3}$  and  $(3, 5)$

15.  $m = \frac{3}{4}$  and  $(8, -3)$

16.  $m = -\frac{2}{3}$  and  $(-6, 3)$

17.  $m = -\frac{1}{2}$  and  $(-6, -3)$

18.  $m = 2$  and  $(4, -3)$

19.  $m = \frac{4}{3}$  and  $(6, -2)$

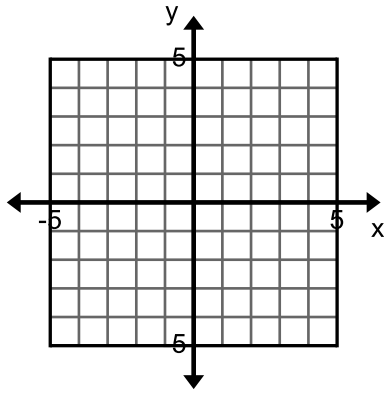
20.  $m = 0$  and  $(-2, 6)$

Identify the slope ( $m$ ), y-intercept ( $b$ ) and then graph the equation.

21.  $y = \frac{4}{5}x - 1$

$m =$  \_\_\_\_\_

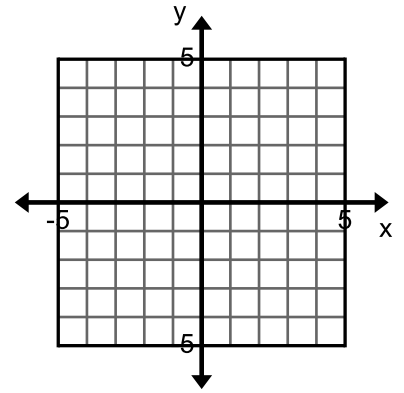
$b =$  \_\_\_\_\_



22.  $y = x$

$m =$  \_\_\_\_\_

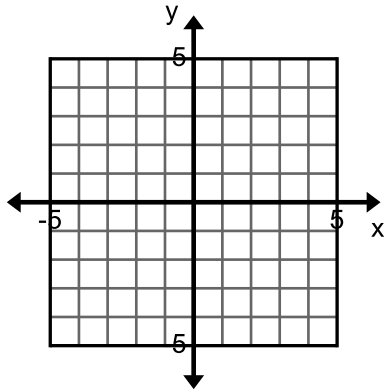
$b =$  \_\_\_\_\_



23.  $y = -\frac{7}{5}x + 4$

$m =$  \_\_\_\_\_

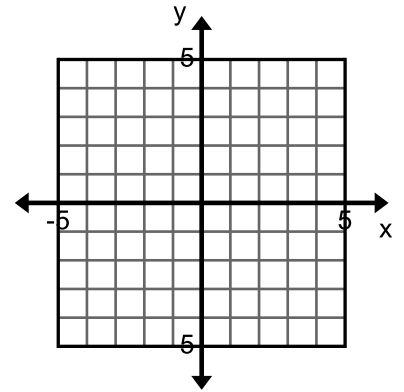
$b =$  \_\_\_\_\_



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

$m =$  \_\_\_\_\_

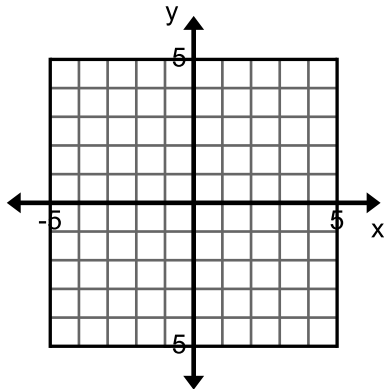
$b =$  \_\_\_\_\_



25.  $y = 3x - 5$

$m =$  \_\_\_\_\_

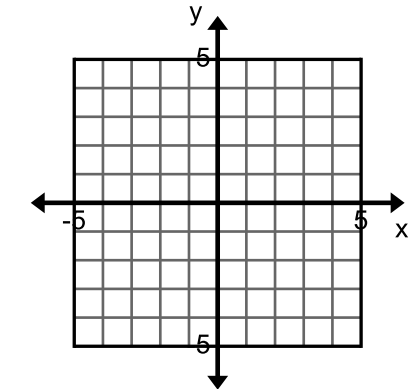
$b =$  \_\_\_\_\_



26.  $y = -x + 4$

$m =$  \_\_\_\_\_

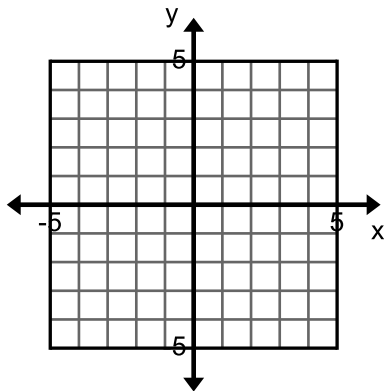
$b =$  \_\_\_\_\_



27.  $y = -2x + 2$

$m =$  \_\_\_\_\_

$b =$  \_\_\_\_\_



28.  $y = 4x - 3$

$m =$  \_\_\_\_\_

$b =$  \_\_\_\_\_

