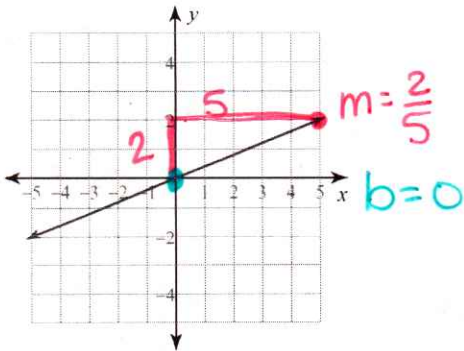


Sub Work 10.31.19

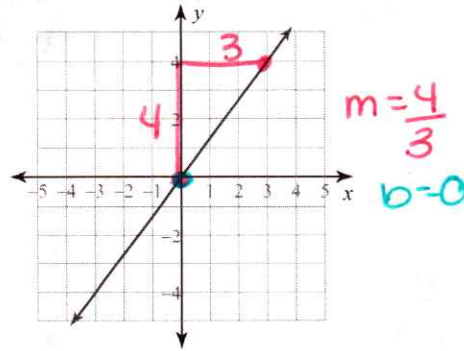
Write the slope-intercept form of the equation of each line.

1)



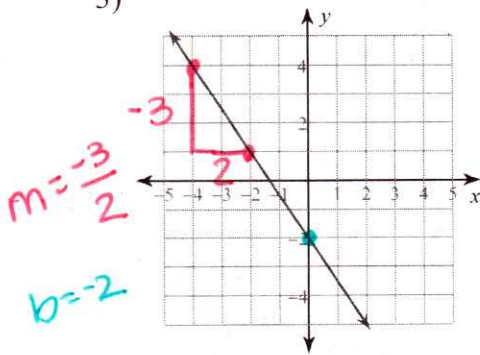
$y = \frac{2}{5}x + 0$   
 $y = \frac{2}{5}x$

2)



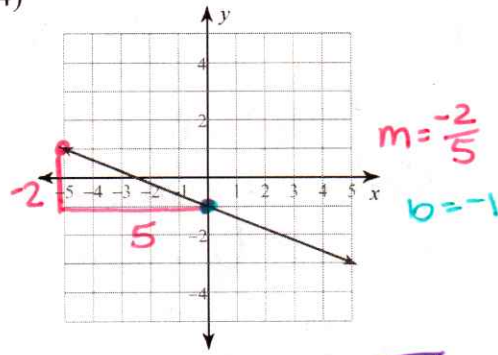
$y = \frac{4}{3}x + 0$   
 $y = \frac{4}{3}x$

3)



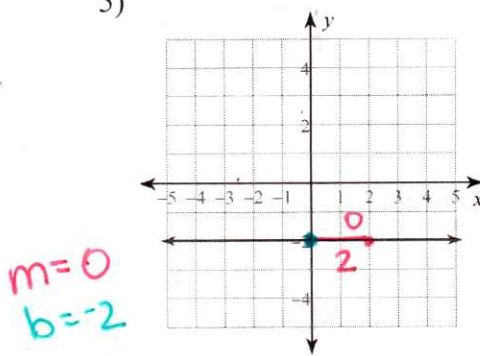
$y = -\frac{3}{2}x - 2$

4)



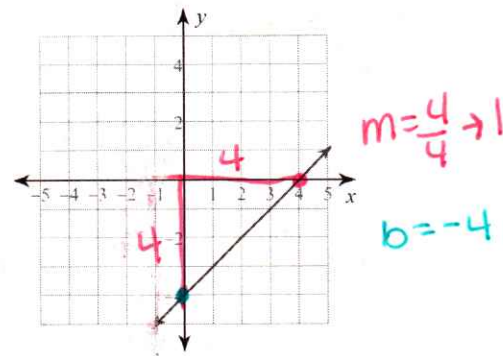
$y = -\frac{2}{5}x - 1$

5)



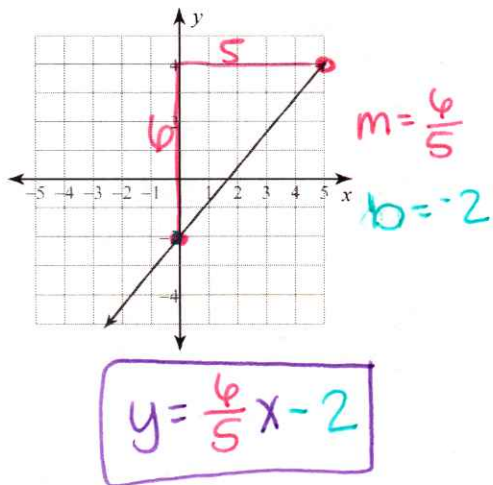
$y = 0x - 2$   
 $y = -2$

6)

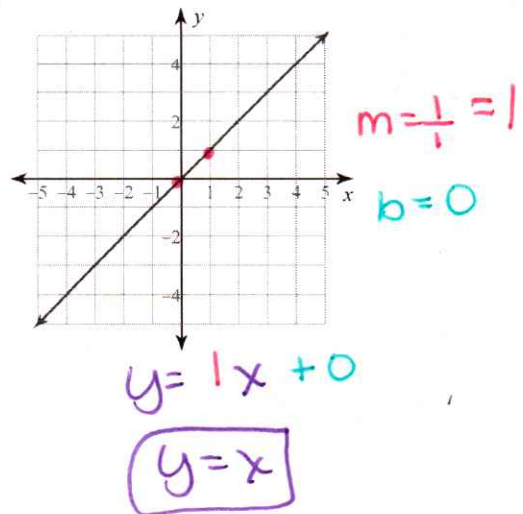


$y = 1x - 4$   
 $y = x - 4$

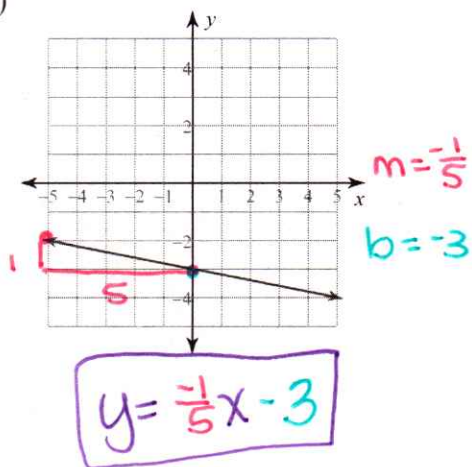
7)



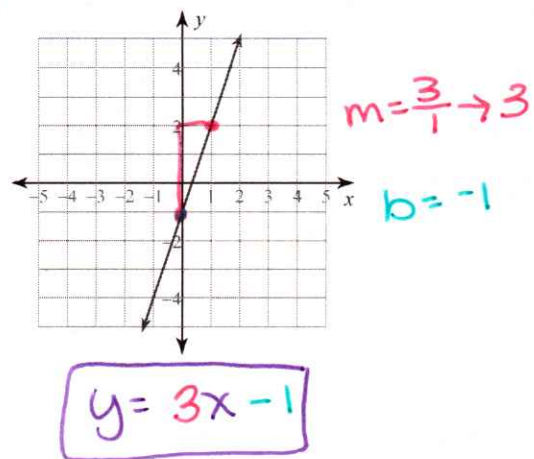
8)



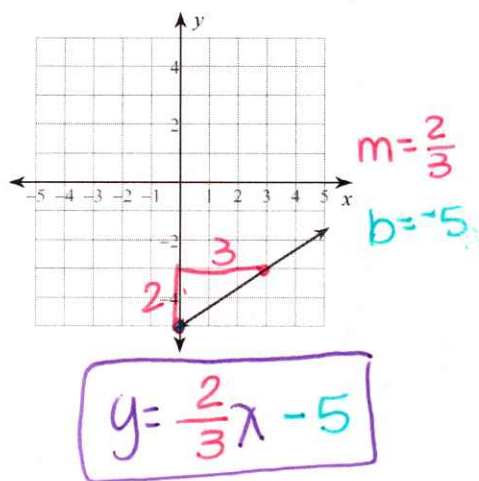
9)



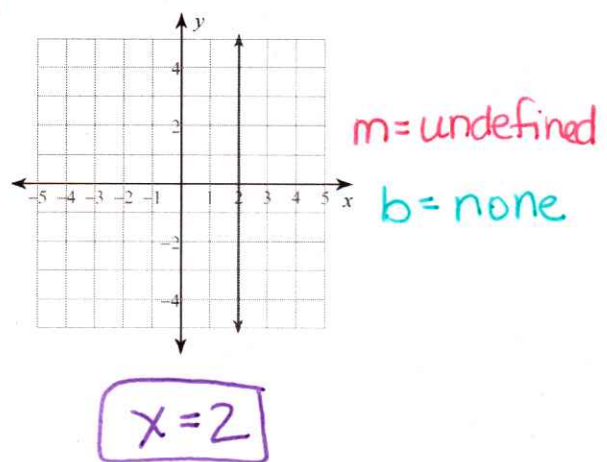
10)



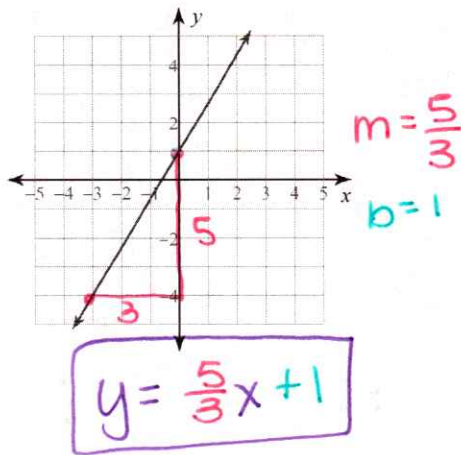
11)



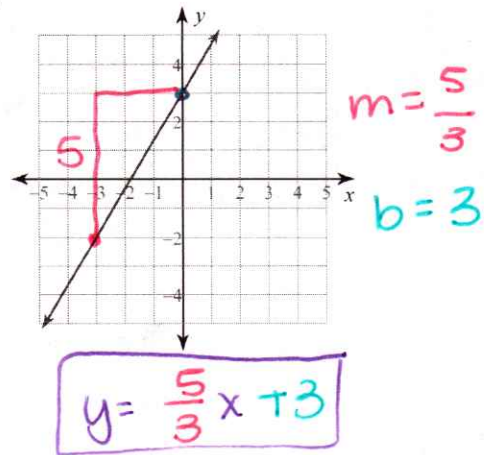
12)



13)



14)



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

15) Slope = 9, y-intercept = -5

$$y = 9x - 5$$

16) Slope = -8, y-intercept = -3

$$y = -8x - 3$$

17) Slope =  $\frac{1}{2}$ , y-intercept = -2

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

18) Slope =  $\frac{7}{3}$ , y-intercept = -4

$$y = \frac{7}{3}x - 4$$

19) Slope = 5, y-intercept = -2

$$y = 5x - 2$$

20) Slope = 3, y-intercept = 4

$$y = 3x + 4$$

21) Slope =  $\frac{3}{2}$ , y-intercept = 4

$$y = \frac{3}{2}x + 4$$

22) Slope =  $-\frac{1}{3}$ , y-intercept = -4

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

23) Slope = 2, y-intercept = -3

$$y = 2x - 3$$

24) Slope = 0, y-intercept = 4

$$y = 0x + 4$$

$$y = 4$$



Write the slope-intercept form of the equation of each line.

$$\begin{array}{r} 25) \ x - y = -8 \\ \quad -x \quad -x \\ \hline -y = -x - 8 \\ \quad -1 \quad -1 \quad -1 \\ \hline y = x + 8 \end{array}$$

$$\begin{array}{r} 27) \ 3x + 2y = 21 \\ \quad -3x \quad -3x \\ \hline 2y = -3x + 21 \\ \quad 2 \quad 2 \quad 2 \\ \hline y = -\frac{3}{2}x + \frac{21}{2} \end{array}$$

$$\begin{array}{r} 29) \ 2x - 7y = -48 \\ \quad -2x \quad -2x \\ \hline -7y = -2x - 48 \\ \quad -7 \quad -7 \quad -7 \\ \hline y = \frac{2}{7}x + \frac{48}{7} \end{array}$$

$$\begin{array}{r} 31) \ x + 7y = 42 \\ \quad -x \quad -x \\ \hline 7y = -x + 42 \\ \quad 7 \quad 7 \quad 7 \\ \hline y = -\frac{1}{7}x + 6 \end{array}$$

$$\begin{array}{r} 33) \ 3x - 8y = 32 \\ \quad -3x \quad -3x \\ \hline -8y = -3x + 32 \\ \quad -8 \quad -8 \quad -8 \\ \hline y = \frac{3}{8}x - 4 \end{array}$$

$$\begin{array}{r} 35) \ x - 2y = 10 \\ \quad -x \quad -x \\ \hline -2y = -x + 10 \\ \quad -2 \quad -2 \quad -2 \\ \hline y = \frac{1}{2}x - 5 \end{array}$$

$$\begin{array}{r} 37) \ x + 3y = -15 \\ \quad -x \quad -x \\ \hline 3y = -x - 15 \\ \quad 3 \quad 3 \quad 3 \\ \hline y = -\frac{1}{3}x - 5 \end{array}$$

$$\begin{array}{r} 39) \ 3x - 2y = 0 \\ \quad -3x \quad -3x \\ \hline -2y = -3x \\ \quad -2 \quad -2 \\ \hline y = \frac{3}{2}x \end{array}$$

$$26) \ y = 8$$
$$y = 8$$

$$28) \ 4x + y = -4$$
$$y = -4x - 4$$

$$30) \ 3x - 2y = -2$$
$$y = \frac{3}{2}x + 1$$

$$32) \ 13x - y = -8$$
$$y = 13x + 8$$

$$34) \ 7x - 8y = 48$$
$$y = \frac{7}{8}x - 6$$

$$36) \ 9x - y = -2$$
$$y = 9x + 2$$

$$38) \ 4x + y = -9$$
$$y = -4x - 9$$

$$40) \ 6x + 7y = -7$$
$$y = -\frac{6}{7}x - 1$$