

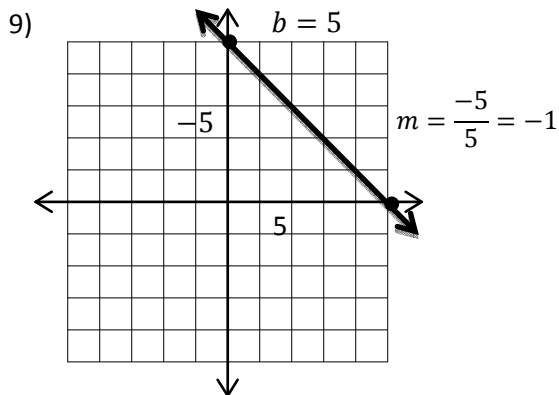
2.3

1) slope = 2 y - intercept = 5  
 $y = mx + b$   
 $y = 2x + 5$

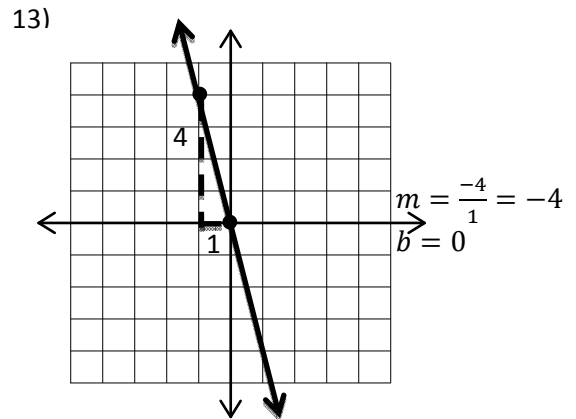
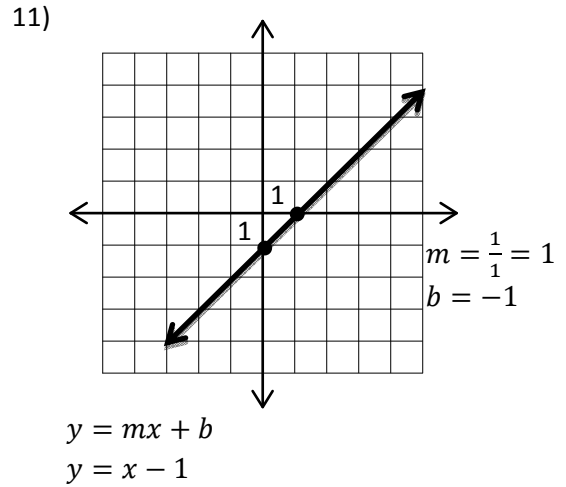
3) slope = 1 y - intercept = -4  
 $y = mx + b$   
 $y = x - 4$

5) slope =  $-\frac{3}{4}$  y - intercept = -1  
 $y = mx + b$   
 $y = -\frac{3}{4}x - 1$

7) slope =  $\frac{1}{3}$  y - intercept = 1  
 $y = \frac{1}{3}x + 1$



$y = mx + b$   
 $y = -x + 5$



$y = mx + b$   
 $y = -4x$

15)  $x + 10y = -37$

$$\frac{-x}{10} = \frac{-x}{10} - \frac{37}{10}$$

$$y = -\frac{1}{10}x - \frac{37}{10}$$

17)  $2x + y = -1$

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

$$y = -2x - 1$$

19)  $7x - 3y = 24$

$$\frac{-3y}{-3} = \frac{-7x}{-3} + \frac{24}{-3}$$

$$y = \frac{7}{3}x - 8$$

$$21) x = -8$$

$$23) y - 4 = -(x + 5)$$

$$y - 4 = -x - 5$$

$$\frac{+4}{+4} \quad \frac{+4}{+4}$$

$$y = -x - 1$$

$$25) y - 4 = 4(x - 1)$$

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

$$\frac{+4}{+4} \quad \frac{+4}{+4}$$

$$y = 4x$$

$$27) y + 5 = -4(x - 2)$$

$$y + 5 = -4x + 8$$

$$\frac{-5}{-5} \quad \frac{-5}{-5}$$

$$y = -4x + 3$$

$$29) y + 1 = -\frac{1}{2}(x - 4)$$

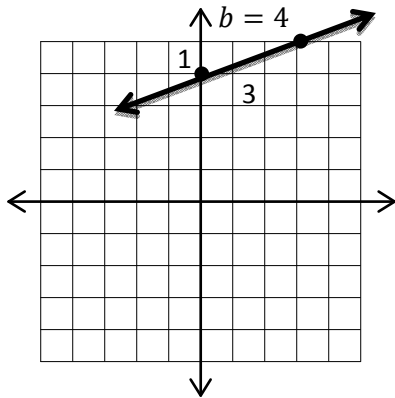
$$y + 1 = -\frac{1}{2}x + 2$$

$$\frac{-1}{-1} \quad \frac{-1}{-1}$$

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

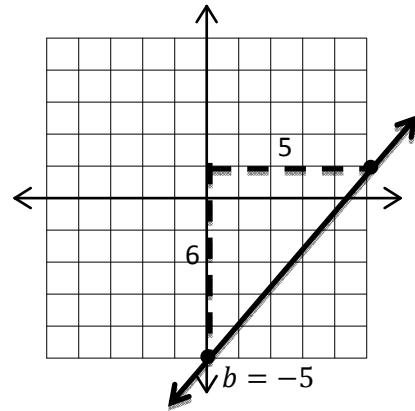
$$31) y = \frac{1}{3}x + 4$$

$$m = \frac{1}{3}, b = 4$$



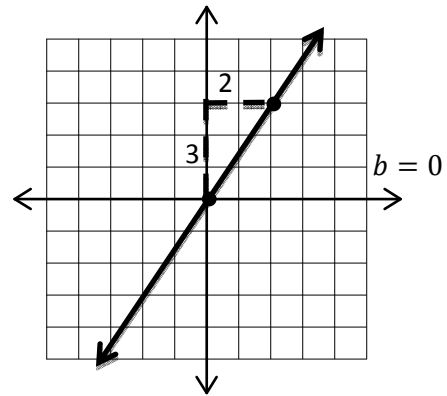
$$33) y = \frac{6}{5}x - 5$$

$$m = \frac{6}{5}, b = -5$$



$$35) y = \frac{3}{2}x$$

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

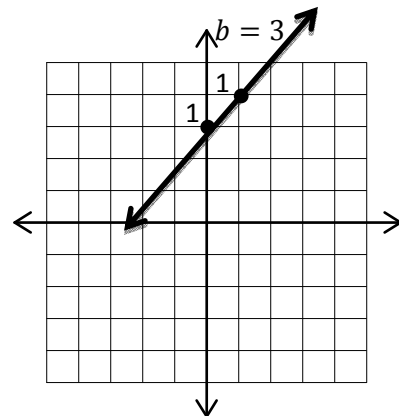


$$37) x - y + 3 = 0$$

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

$$y = x + 3$$

$$m = 1, b = 3$$



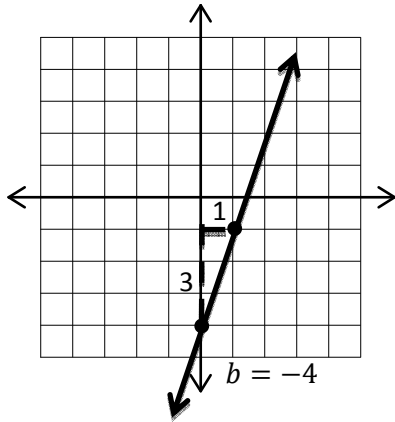
$$39) -y - 4 + 3x = 0$$

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

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

$$y = 3x - 4$$

$$m = 3, b = -4$$



$$41) \frac{-3y}{-3} = \frac{-5x}{-3} + \frac{9}{-3}$$

$$y = \frac{5}{3}x - 3$$

$$m = \frac{5}{3}, b = -3$$

