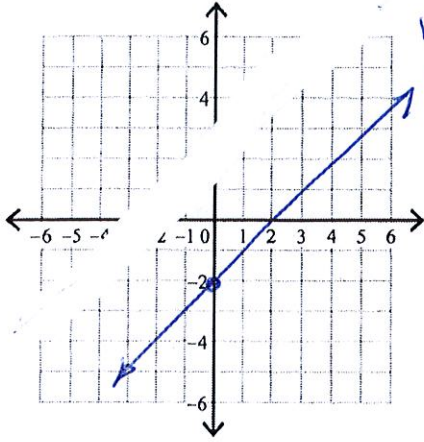


Graphing in ANY Form

Assignment

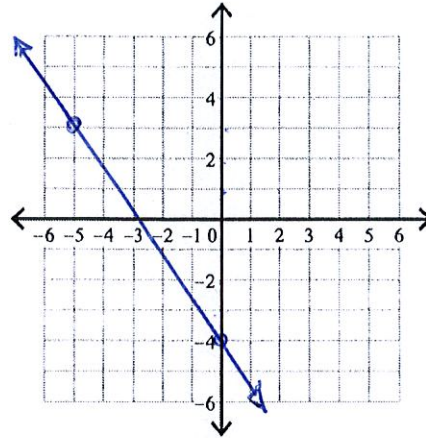
Sketch the graph of each line.

1) $y = x - 2$



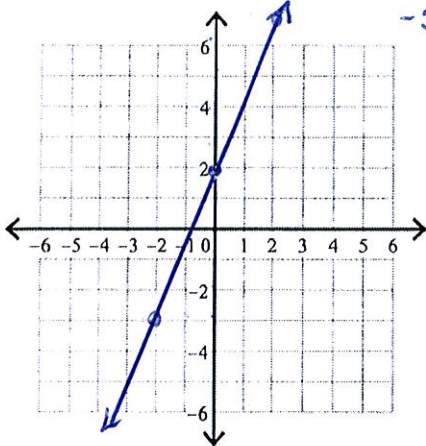
$m = 1$
 $b = -2$

2) $y = -\frac{7}{5}x - 4$



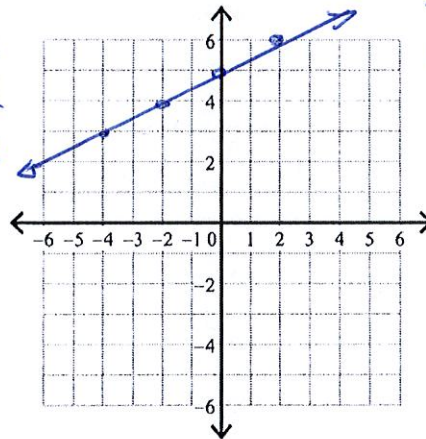
$m = -\frac{7}{5}$
 $b = -4$

3) $5x - 2y = -4$



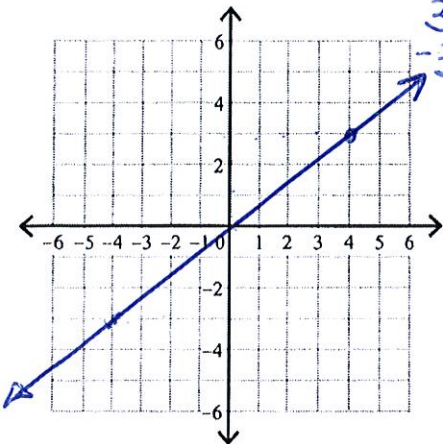
$5x - 2y = -4$
 $-5x \quad = -5x$
 $-2y = -5x - 4$
 $\frac{-2y}{-2} = \frac{-5x - 4}{-2}$
 $y = \frac{5}{2}x + 2$
 $m = \frac{5}{2}$
 $b = 2$

4) $-x + 2y = 10$



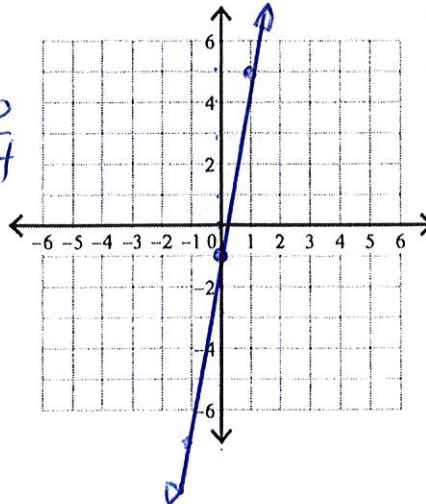
$-x + 2y = 10$
 $+x \quad = +x$
 $\frac{2y}{2} = \frac{x + 10}{2}$
 $y = \frac{1}{2}x + 5$
 $m = \frac{1}{2}$
 $b = 5$

5) $3x - 4y = 0$



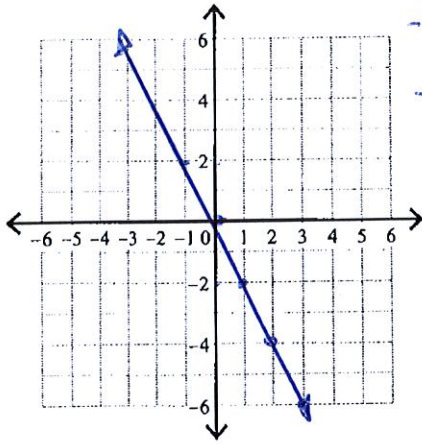
$3x - 4y = 0$
 $-3x \quad = -3x$
 $-4y = -3x + 0$
 $\frac{-4y}{-4} = \frac{-3x + 0}{-4}$
 $y = \frac{3}{4}x + 0$
 $m = \frac{3}{4}$
 $b = 0$

6) $-6x + y = -1$



$-6x + y = -1$
 $+6x \quad = +6x$
 $y = 6x - 1$
 $m = \frac{6}{1}$
 $b = -1$

7) $4x = -2y$



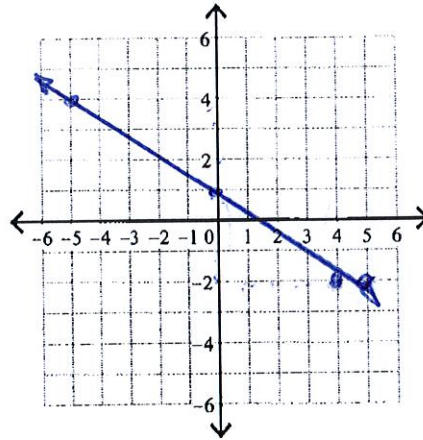
$$\frac{4x}{-2} = \frac{-2y}{-2}$$

$$-2x = y$$

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

$$b = 0$$

8) $-y + 1 = \frac{3}{5}x$



$$-y + 1 = \frac{3}{5}x$$

$$-1 = -1$$

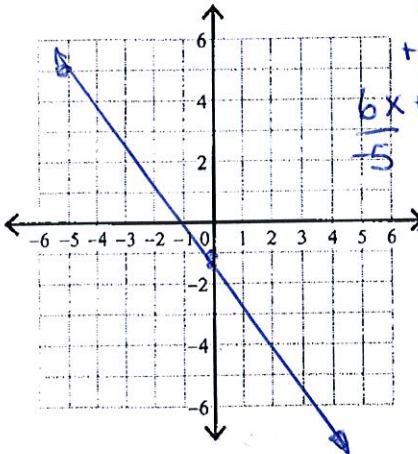
$$-y = \frac{3}{5}x - 1$$

$$y = -\frac{3}{5}x + 1$$

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

$$b = 1$$

9) $5 = -5y - 6x$



$$5 = -5y - 6x$$

$$+6x \quad +6x$$

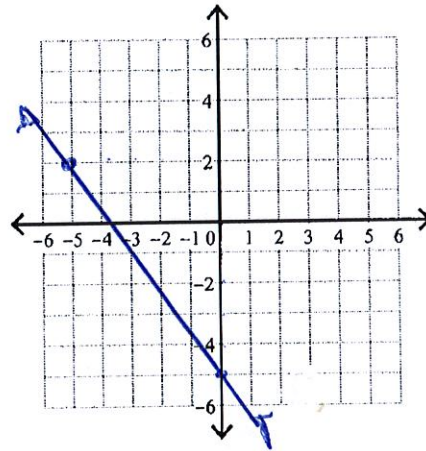
$$\frac{6x + 5}{5} = \frac{-5y}{-5}$$

$$\frac{6}{5}x - 1 = y$$

$$m = \frac{6}{5}$$

$$b = -1$$

10) $-7x - 25 = 5y$



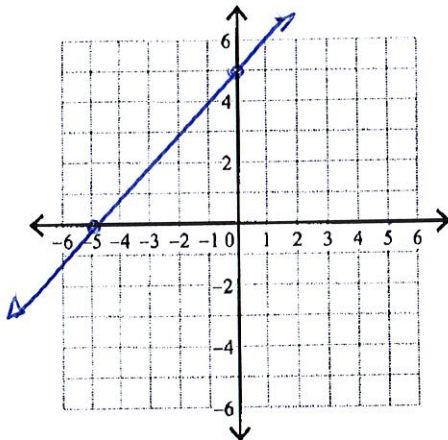
$$\frac{-7x - 25}{5} = \frac{5y}{5}$$

$$-\frac{7}{5}x - 5 = y$$

$$m = -\frac{7}{5}$$

$$b = -5$$

11) x-intercept = -5, y-intercept = 5



12) x-intercept = 3, y-intercept = -3

