Solve each system by graphing.

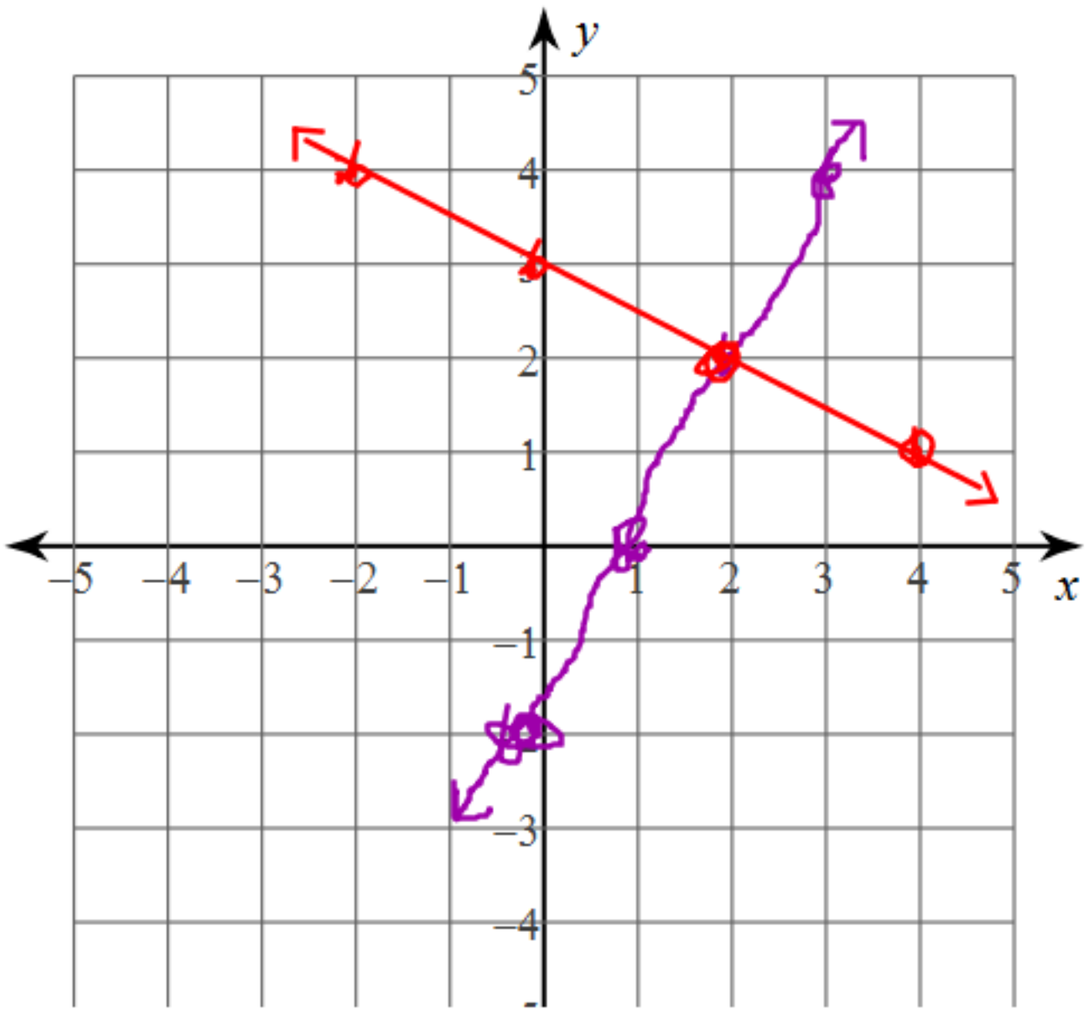
$y = mx + b$

1 → $m = \frac{2}{1}$ $b = -2$

1) $y = 2x - 2$

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

2 → $m = -\frac{1}{2}$ $b = 3$

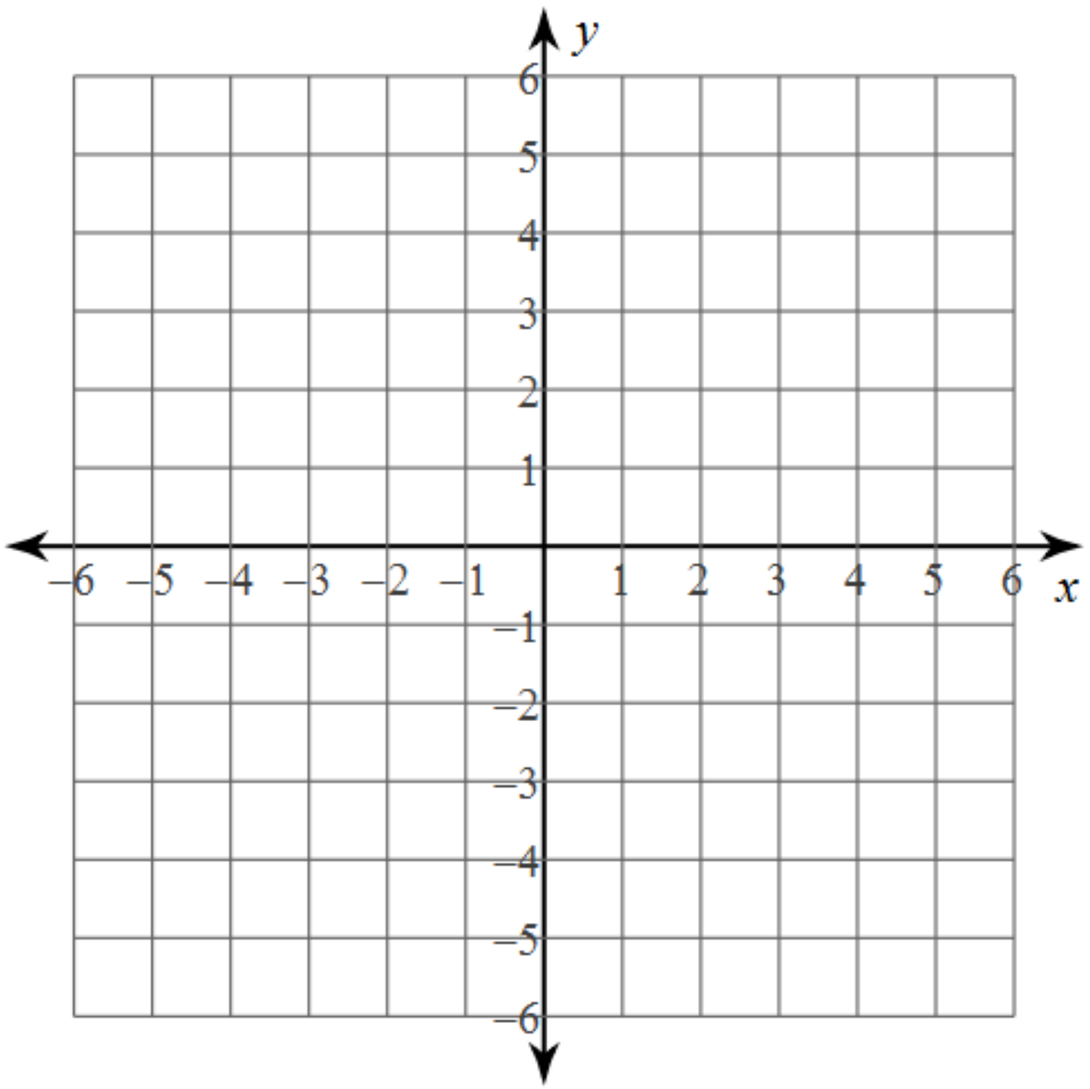



POI (2, 2)

(x, y)

First, rearrage the equation to get y by itself. Then, state the 'b' (y intercept) and the 'm' (slope). Then, sketch the graph of the line.

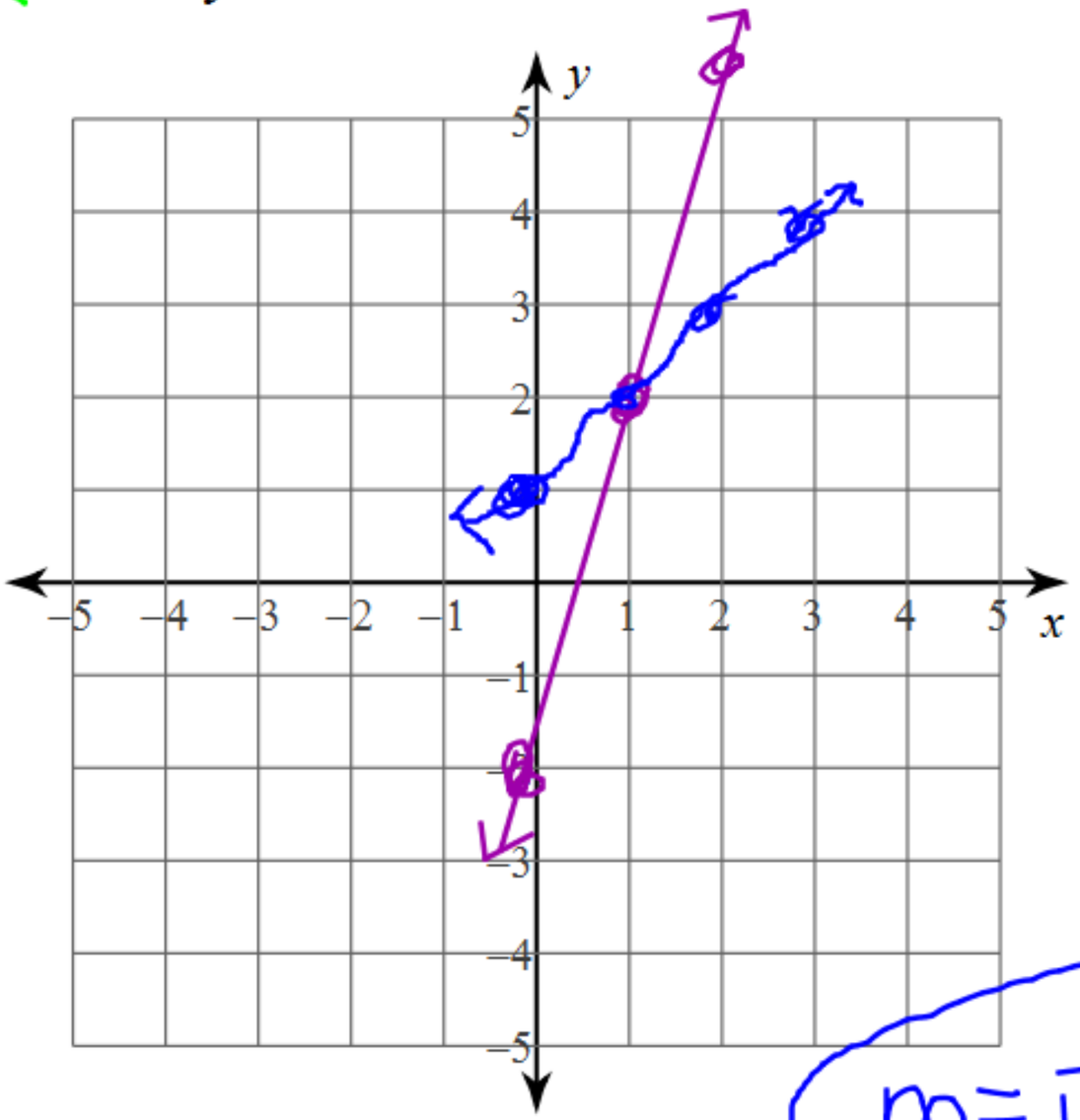
2) $2x - y = -2$



# Solve each system by graphing.

8) $4x - y = 2$

$x - y = -1$




$-4x \quad -4x - y = 2 \quad -4x$

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

$y = 4x - 2$

$m = 4 \quad b = -2$

$-x \quad x - y = -1 \quad -x$

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

$y = x + 1$

$m = \frac{1}{1} \; b = 1$

# Solve each system by graphing.

$y = mx + b$

$y = 4$

$b = 4$

7) $y = 4$

$2x - y = -2$