

Solve each system by graphing.

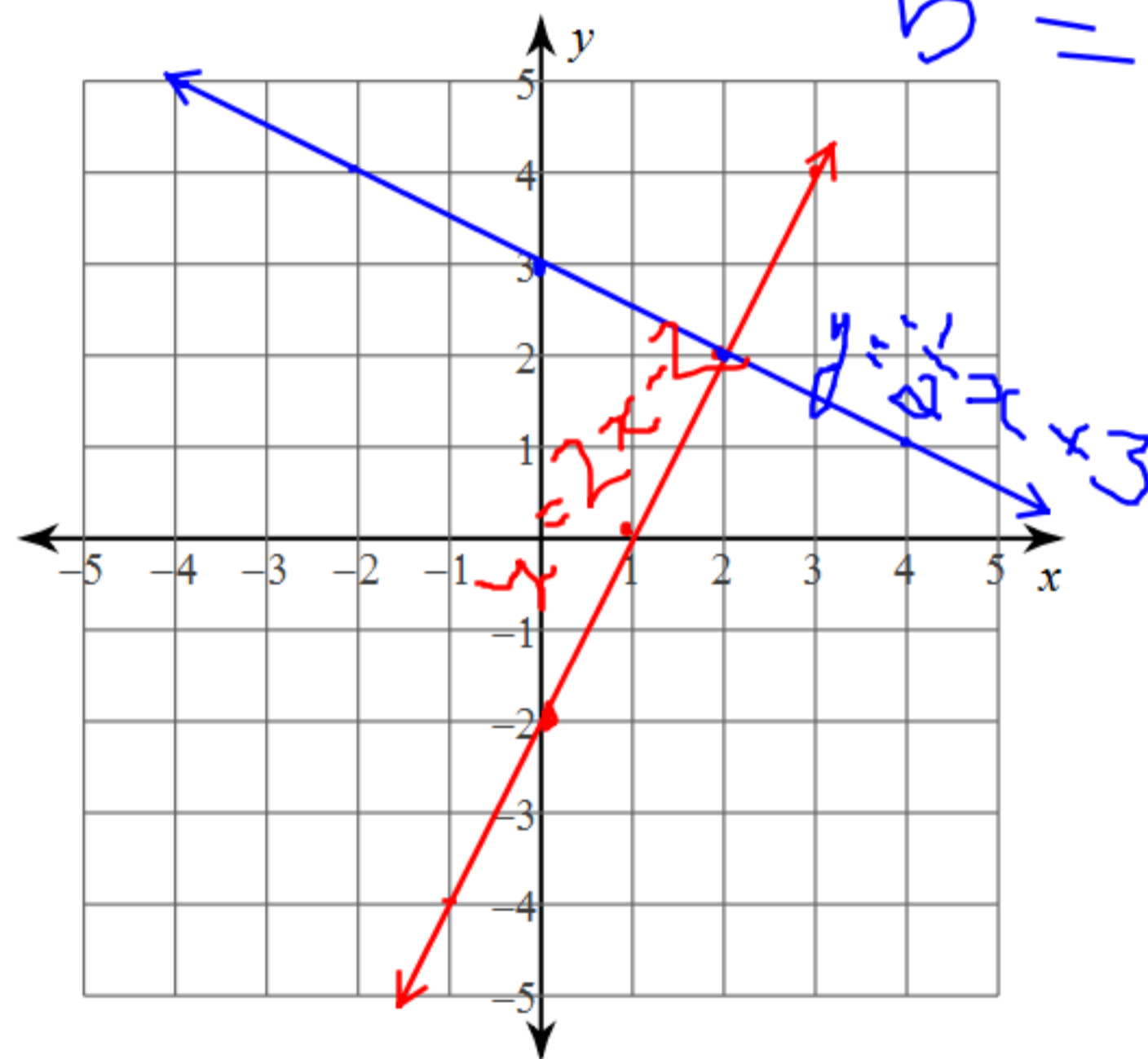
1) $y = 2x - 2$

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

$m = 2$

$b = -2$

$m = -\frac{1}{2}$
 $b = 3$



$$y = mx + b$$

\downarrow Slope \downarrow y-intercept

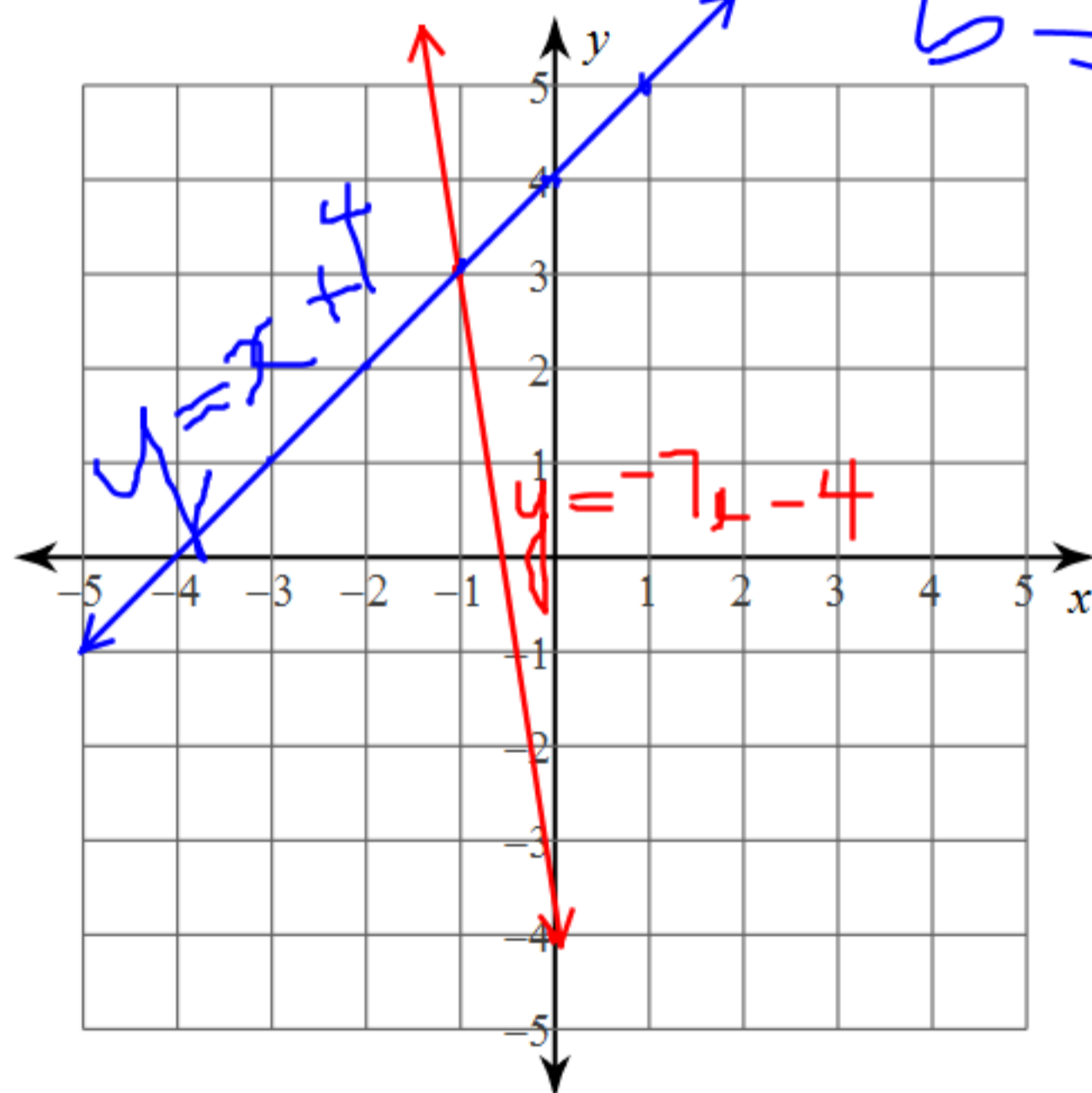
P of I = (2, 2)

Solve each system by graphing.

2) $y = -7x - 4$

$y = x + 4$

$m = -7$
 $b = -4$
 $m = 1$
 $b = 4$



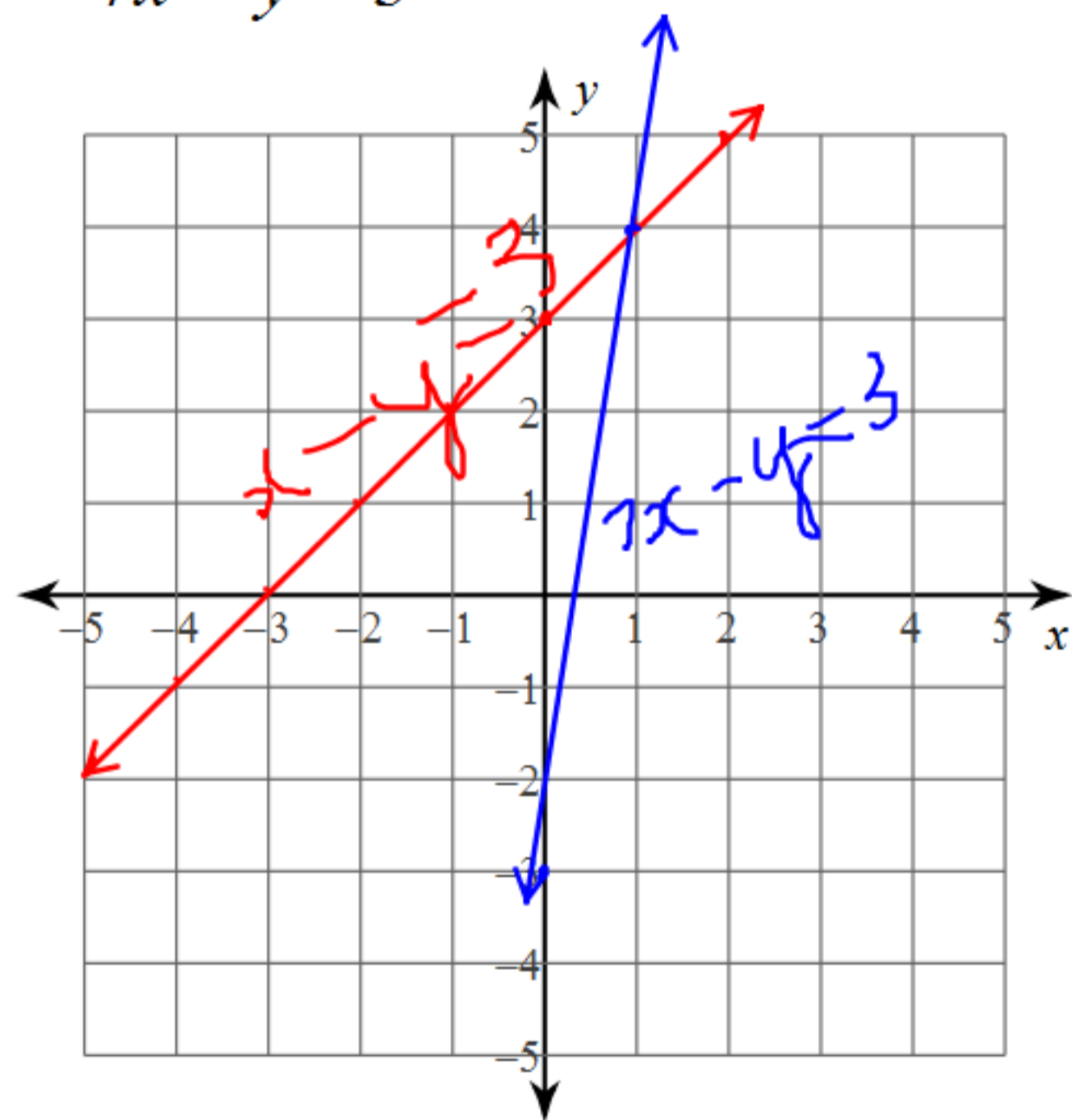
$P.O.I = (-1, 3)$

Solve each system by graphing.

3) $x - y = -3$
 $7x - y = 3$

$$x + 3 = y$$

$$m = 1$$
$$b = 3$$



$$7x - 3 = y$$

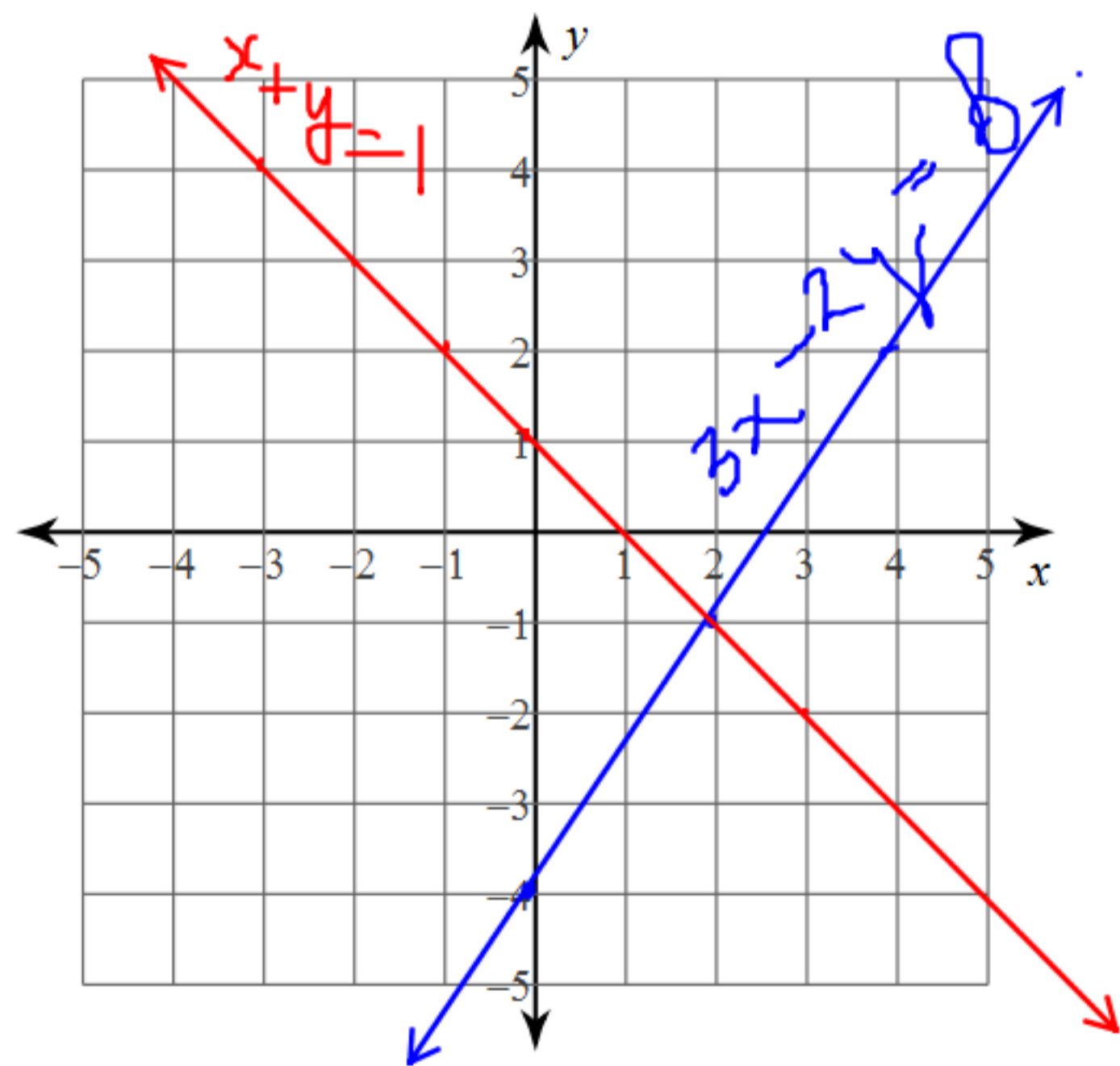
$$m = 7$$

$$b = -3$$

Pof $\mathbb{I}(1, 4)$

Solve each system by graphing.

4) $3x - 2y = 8$
 $x + y = 1$



$$y = mx + b$$

$$\frac{-2y}{-2} = \frac{-3x + 8}{-2}$$

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

$$m = \frac{3}{2}$$

$$b = -4$$

$$y = -x + 1$$

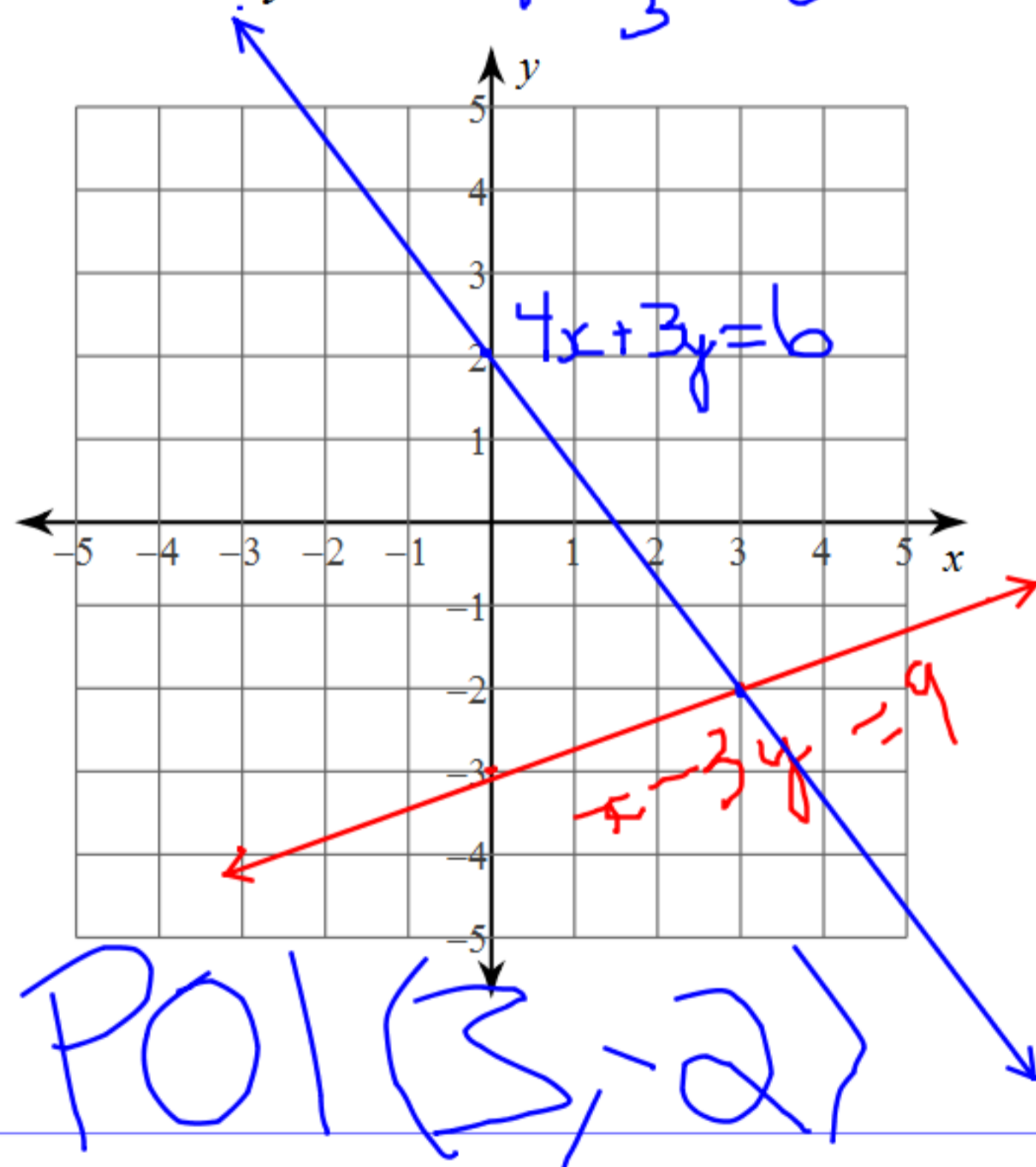
$$m = -1$$

$$b = 1$$

$$\text{pt of } \underline{I} = (2, -1)$$

Solve each system by graphing.

5) $x - 3y = 9$
 $4x + 3y = 6$



$$m = -\frac{4}{3}$$

$$b = 2$$

$$\frac{4x}{3} = -\frac{4}{3}x + \frac{6}{3}$$

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

$$\cancel{x} - 3y = 9$$

$$-3y = -\cancel{x} + 9$$

$$\frac{-3y}{-3} = \frac{-\cancel{x} + 9}{-3}$$

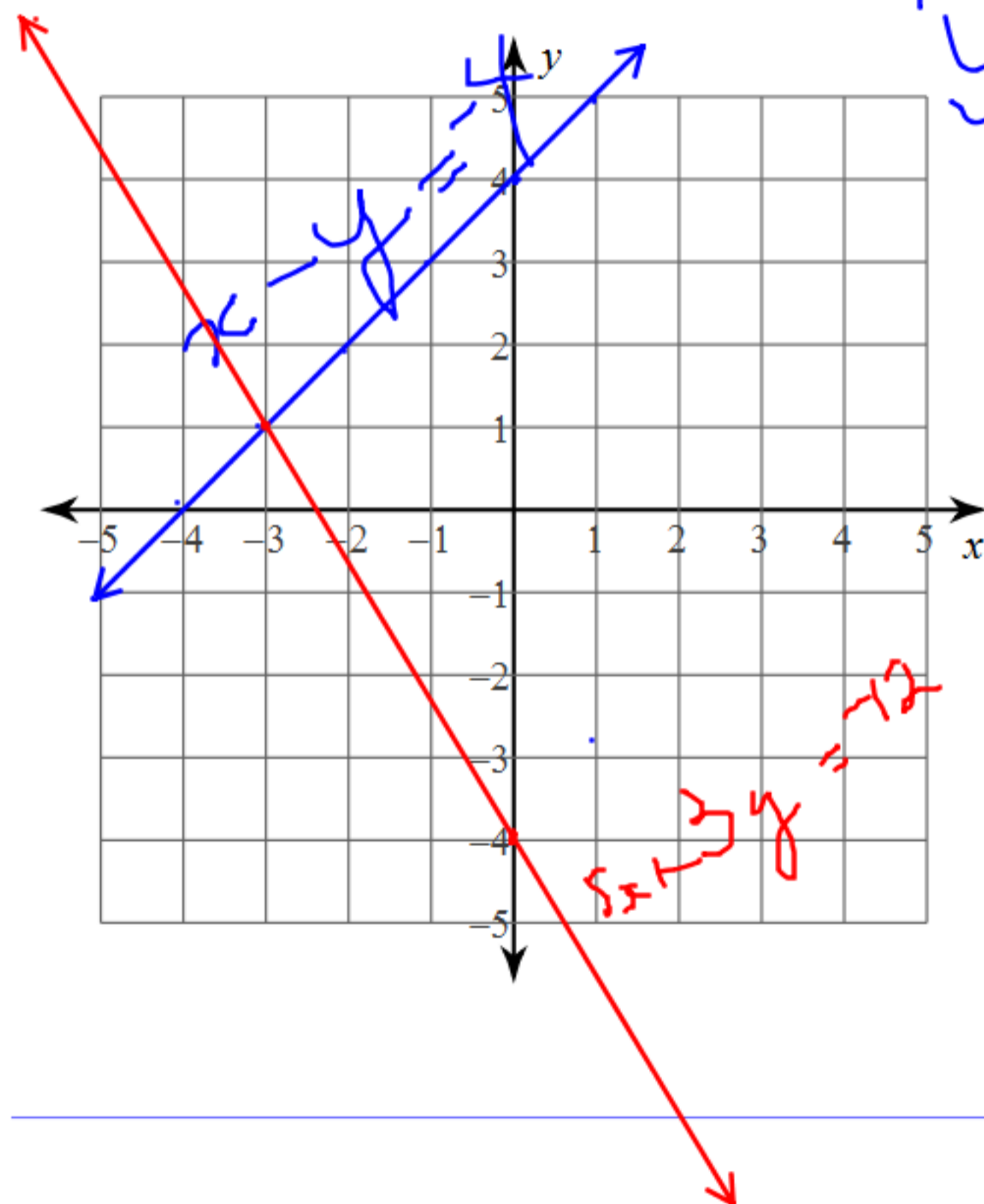
$$y = \frac{1}{3}x - 3$$

$$M = \frac{1}{3}$$

$$B = -3$$

Solve each system by graphing.

6) $x - y = -4$
 $5x + 3y = -12$



$$-4 = -\frac{1}{1}x - \frac{4}{1} \quad m = 1$$

$$y = x + 4 \quad b = 4$$

$$3y = -5x - 12 \quad m = -\frac{5}{3}$$

$$y = -\frac{5}{3}x - 4 \quad b = -4$$

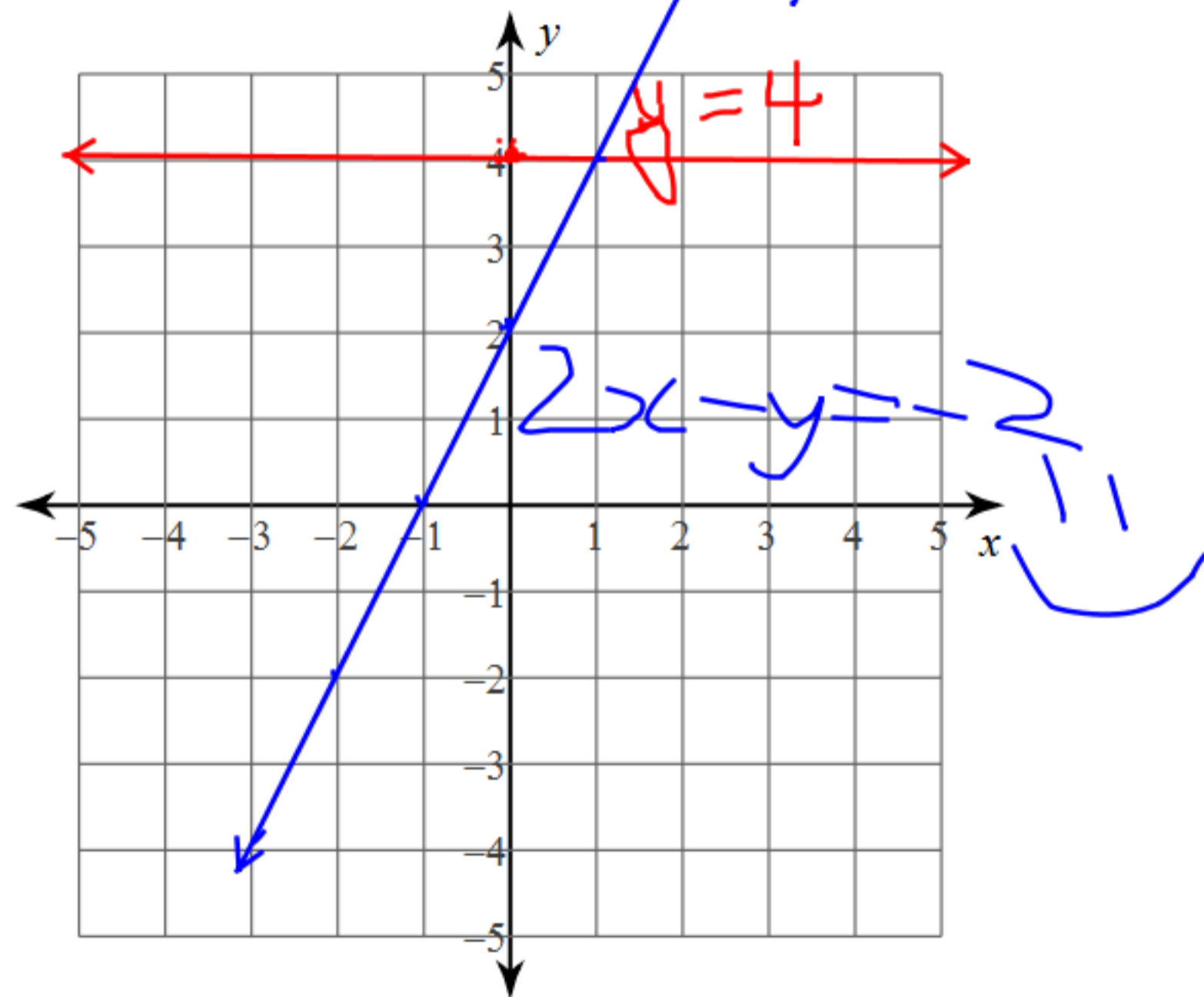
$$POI = (-3, 1)$$

Solve each system by graphing.

7) $y = 4$

$2x - y = -2$

$m = 0$
 $y = 2x + 2$



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

$b = 2$

P.O.I. = $(1, 4)$

✓

Solve each system by graphing.

8) $4x - y = 2$
 $x - y = -1$

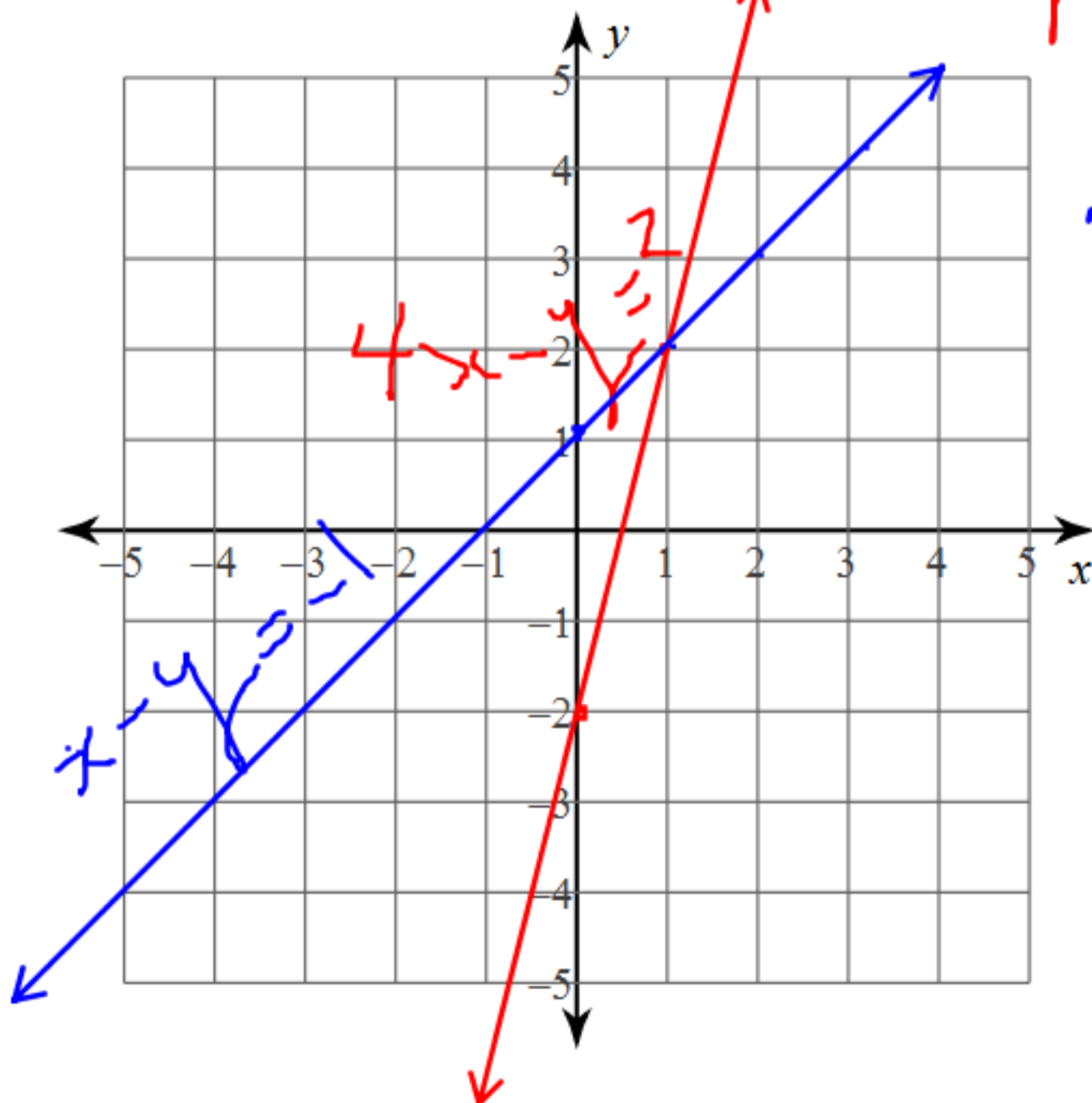
① $4x - y = 2$
 $-y = -4x + 2$
 $y = 4x - 2$

$m = 4$ $b = -2$

Point $(0, -2)$

② $x - y = -1$
 $-y = -x - 1$
 $y = x + 1$

$m = 1$ $b = 1$

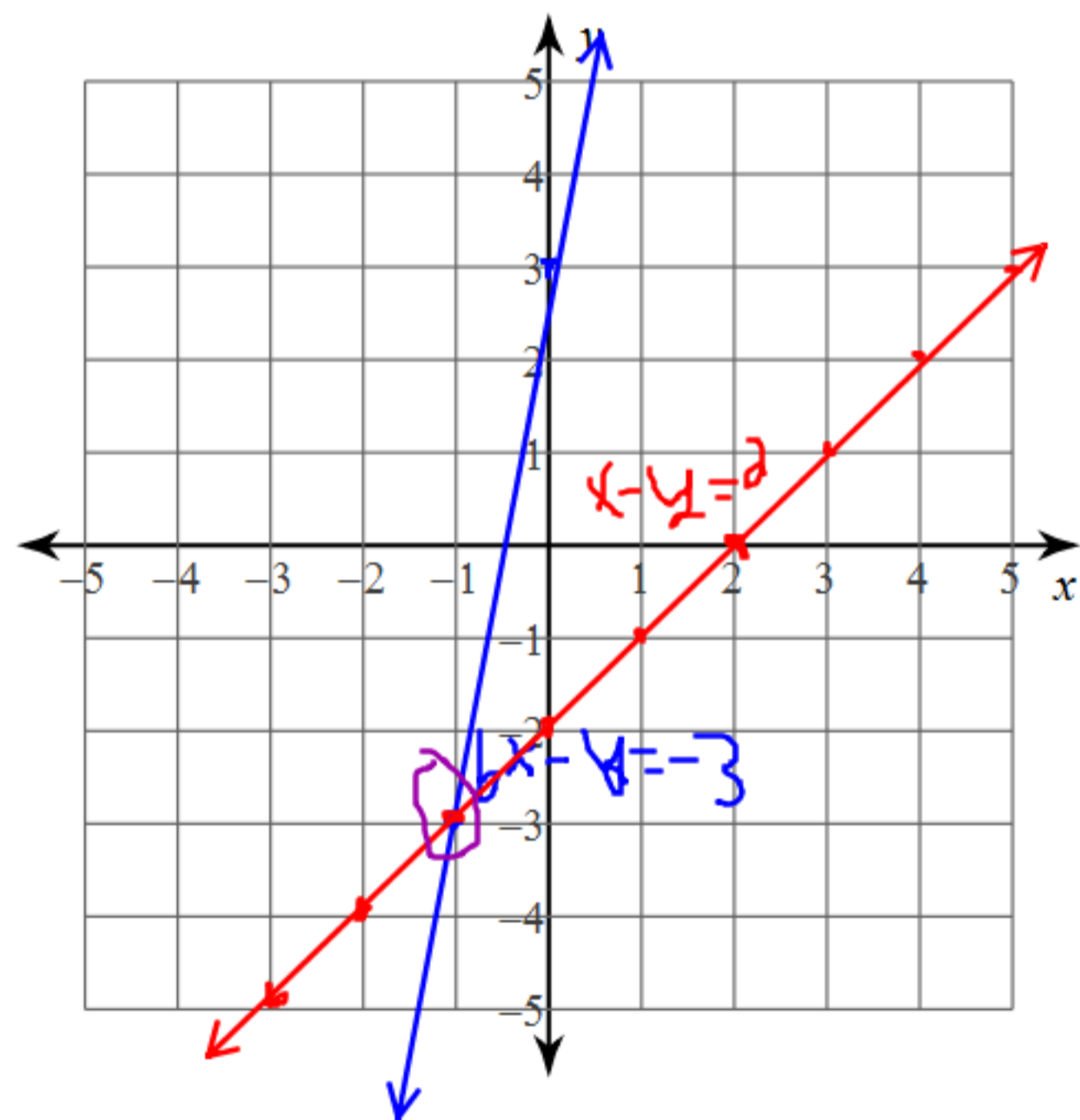


Solve each system by graphing.

$$9) \begin{aligned} 6x - y &= -3 \\ x - y &= 2 \end{aligned}$$

$$6x + 3 = y$$

$$\begin{aligned} m &= 6 \\ b &= 3 \end{aligned}$$



$$x - 2 = y$$

$$\begin{aligned} m &= 1 \\ b &= -2 \end{aligned}$$

$$P \text{ of } I = (-1, -3)$$

Solve each system by graphing.

10) $3x - 2y = 8$ $x - 4y = -4$

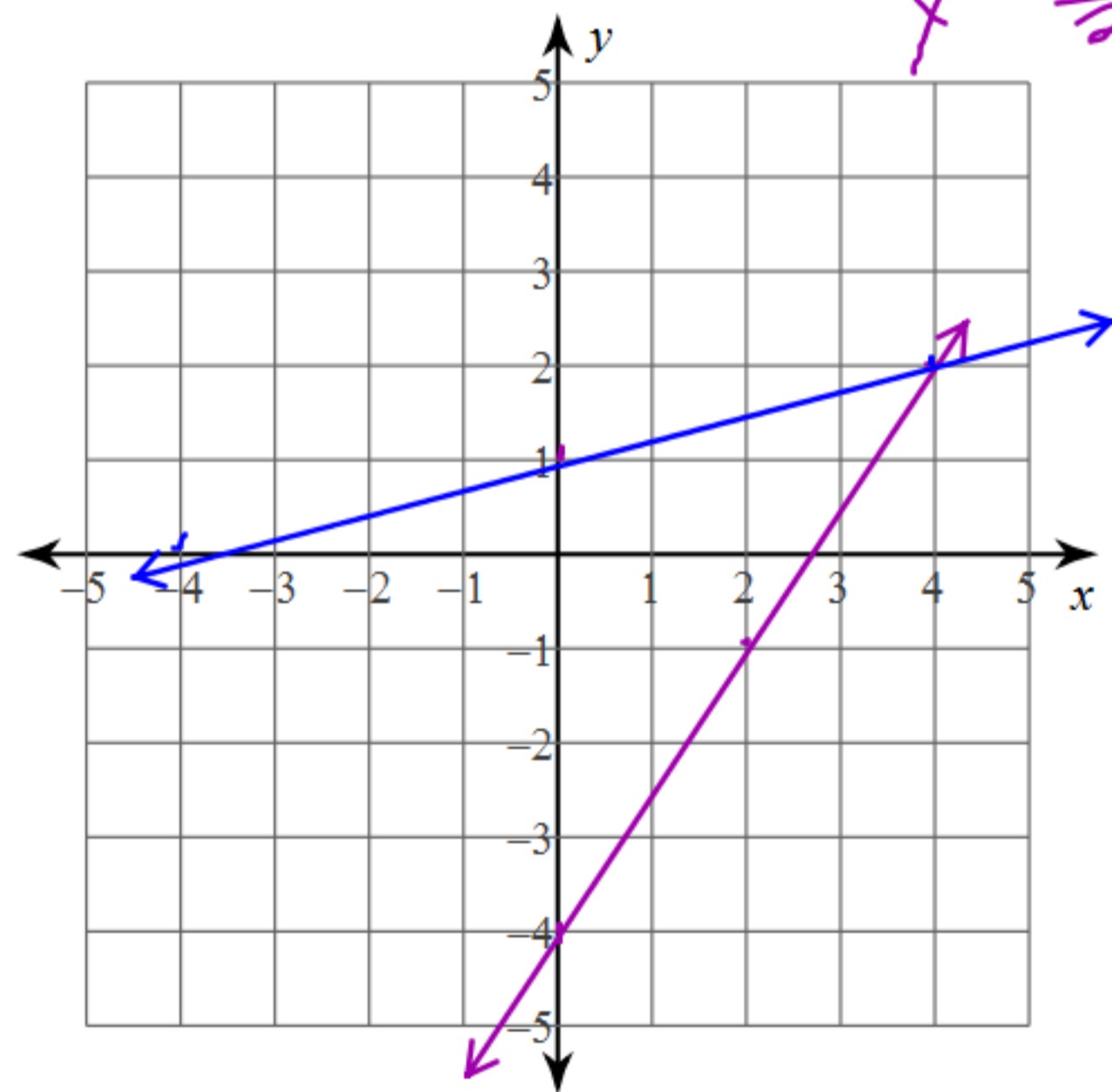
Handwritten work:

$$\begin{array}{r} -3 \\ 3x - 2y = 8 \\ -x - 4y = -4 \end{array}$$

$$\begin{array}{r} -3 \\ -2y = -3x + 8 \\ -2 \quad -2 \quad -2 \end{array}$$

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

$$m = \frac{3}{2} \quad b = -4$$



Handwritten work:

$$\begin{array}{r} -4y = -x - 4 \\ -4 \quad -4 \quad -4 \end{array}$$

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


$$m = \frac{1}{4} \quad b = 1$$

Handwritten work:

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

$$m = \frac{1}{4} \quad b = 1$$

POI (4, 1)

☒ Question numbers ☐ Show answers
☒ Directions ☒ Changing questions hides answers
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Solve each system by graphing.

$$\begin{aligned} 5) \quad x - 3y &= 9 \\ 4x + 3y &= 6 \end{aligned}$$

