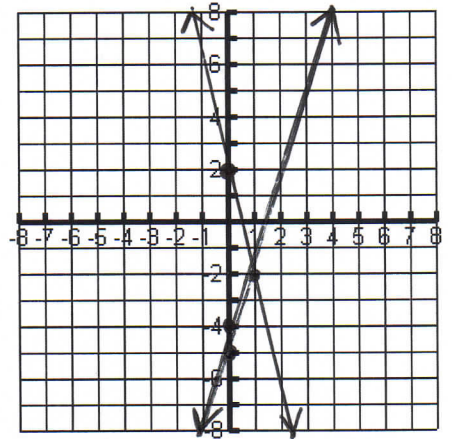


## REVIEW 3 METHODS:

1. Graph and solve the system.

$$y = 3x - 5 \quad y = -4x + 2$$

POI = (-2, 1)



2. Solve the system by substitution.

$$x - 2y = 7 \quad \textcircled{1} \Rightarrow x = 2y + 7 \quad \textcircled{3}$$

$$2x - 3y = 13 \quad \textcircled{2}$$

Sub.  $\textcircled{3}$  into  $\textcircled{2}$

$$2(2y + 7) - 3y = 13$$

$$4y + 14 - 3y = 13$$

$$y = 13 - 14$$

$$\boxed{y = -1}$$

Sub.  $y = -1$  into  $\textcircled{3}$

$$x = 2(-1) + 7$$

$$x = -2 + 7$$

$$\boxed{x = 5}$$

$\therefore$  POI is (5, -1)

3. Solve the system by elimination.

$$3x + 2y = 7 \quad \times 2 \Rightarrow 6x + 4y = 14$$

$$6x + y = -1$$

$$\begin{array}{r} 6x + 4y = 14 \\ - 6x + y = -1 \\ \hline 0 + 3y = 15 \\ \frac{3}{3} \quad \frac{3}{3} \end{array}$$

$$\boxed{y = 5}$$

Sub.  $y = 5$  into  $\textcircled{1}$

$$3x + 2(5) = 7$$

$$3x + 10 = 7$$

$$3x = 7 - 10$$

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

$$\boxed{x = -1}$$

$\therefore$  POI is (-1, 5)