

Solving Linear Systems by Graphing



Overview of problems- KEY



Example Set: A

Decide if the ordered pairs are solutions to the system

$$\begin{cases} 6x + y = 12 \\ -x - 3y = 10 \end{cases} \quad (2, -1)$$

$$\begin{cases} -x + 4y = 9 \\ y = 2x - 5 \end{cases} \quad (0, 3)$$

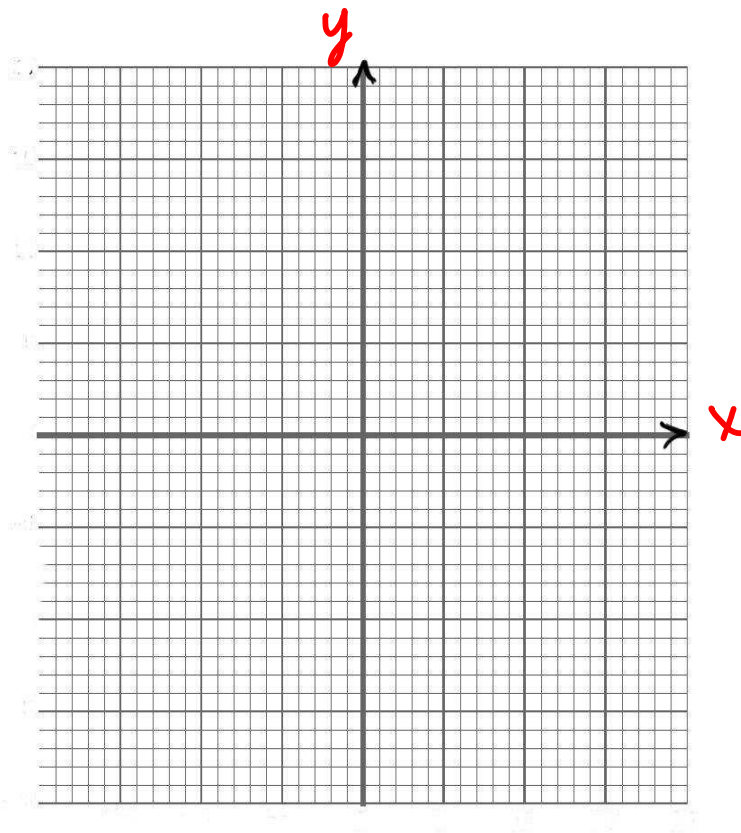
$$\begin{cases} x + 7y = 12 \\ x + 3y = 0 \end{cases} \quad (-9, 3)$$



Example Set: B

Solve the system by graphing and check your solution

$$\begin{cases} -x + y = -6 \\ 3x + y = 2 \end{cases}$$

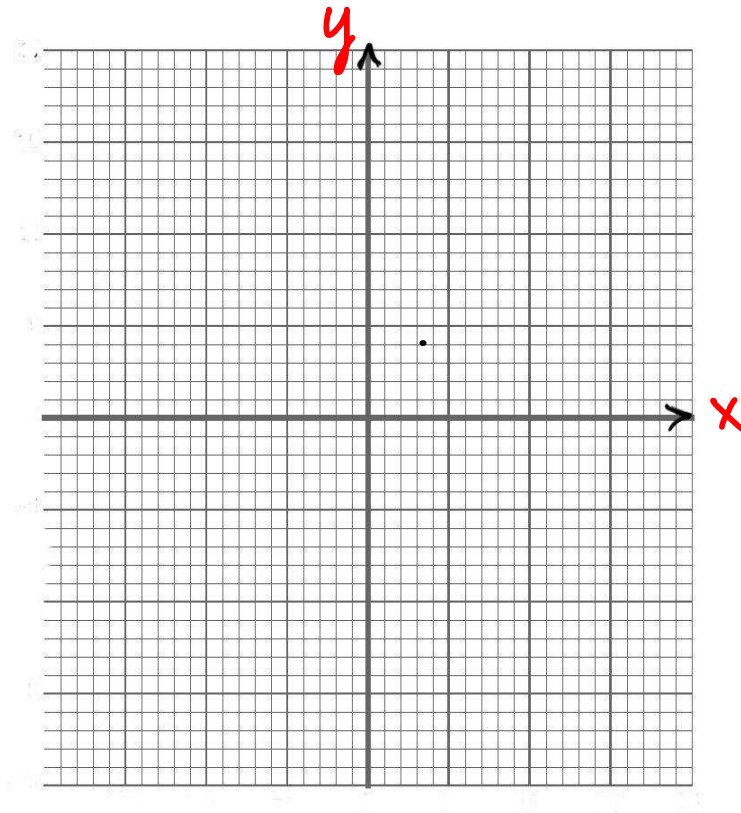




Example Set: C

Solve the system by graphing and check your solution

$$\begin{cases} -x + y = 2 \\ -y = -3x \end{cases}$$



Solving Linear Systems by Graphing



Overview of problems- KEY



Example Set: A

Decide if the ordered pairs are solutions to the system

$$\begin{cases} 6x + y = 12 \\ -x - 3y = 10 \end{cases} \quad (2, -1) \quad \text{not a solution}$$

$$\begin{cases} -x + 4y = 9 \\ y = 2x - 5 \end{cases} \quad (0, 3) \quad \text{not a solution}$$

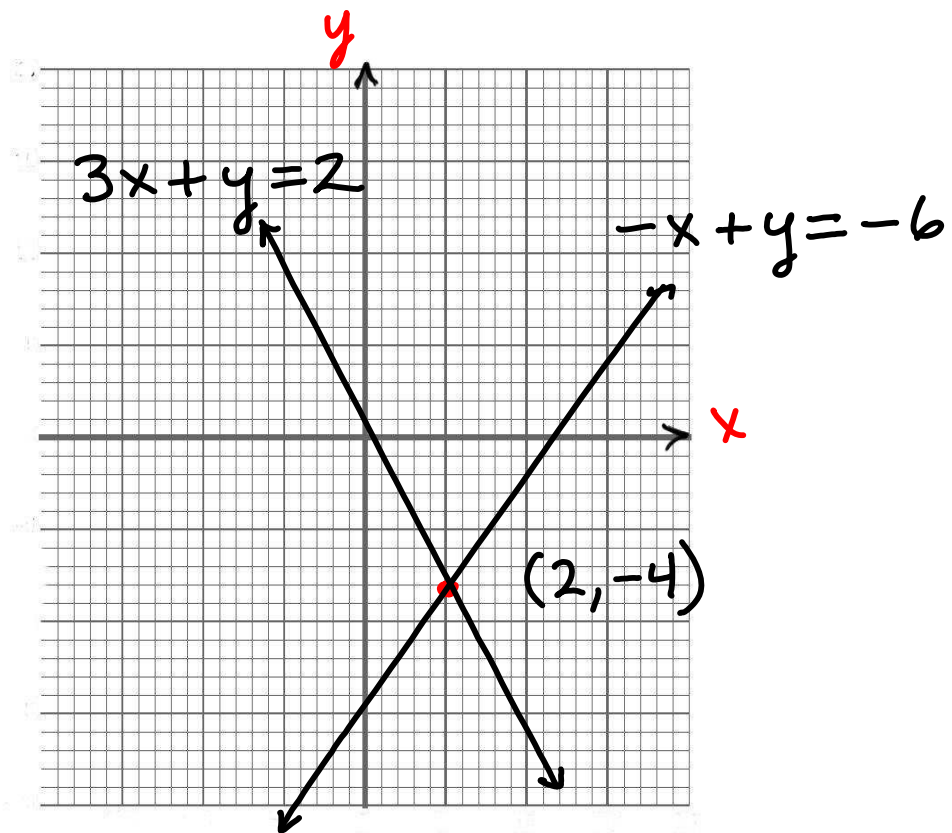
$$\begin{cases} x + 7y = 12 \\ x + 3y = 0 \end{cases} \quad (-9, 3) \quad \text{solution}$$



Example Set: B

Solve the system by graphing and check your solution

$$\begin{cases} -x + y = -6 \\ 3x + y = 2 \end{cases} \quad (2, -4)$$





Example Set: C

Solve the system by graphing and check your solution

$$\begin{cases} -x + y = 2 \\ -y = -3x \end{cases} \quad (1, 3)$$

