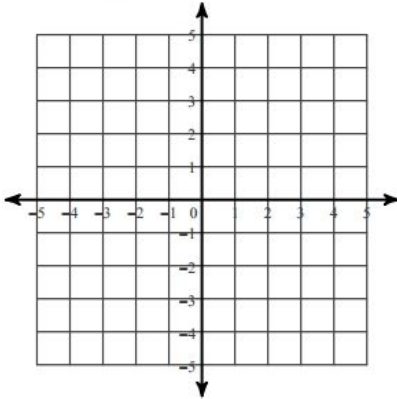


Name: \_\_\_\_\_

## 7.2 Substitution Worksheet #1

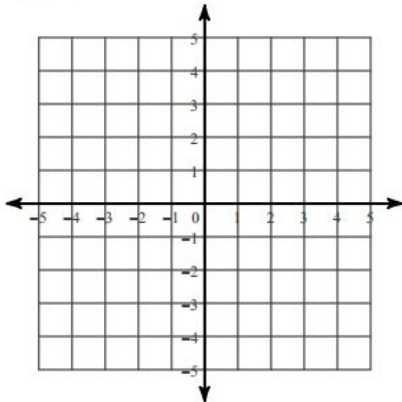
**Solve by graphing:**

$$y = 2x - 3$$
$$y = -3x + 2$$

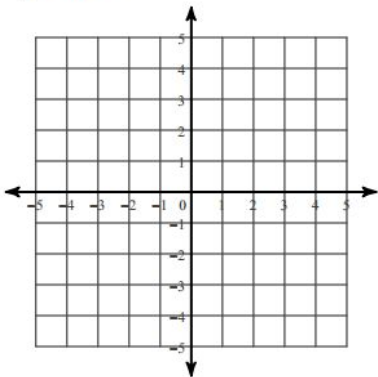


**Solve the same system by substitution:**

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



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



Solve each system by substitution.

$$\begin{aligned} 1) \quad y &= -3x \\ y &= 6x - 9 \end{aligned}$$

$$\begin{aligned} 2) \quad y &= x + 5 \\ y &= -2x - 4 \end{aligned}$$

$$\begin{aligned} 3) \quad y &= -2x - 9 \\ y &= 2x - 1 \end{aligned}$$

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

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

$$\begin{aligned} 6) \quad y &= 3x + 13 \\ y &= -2x - 22 \end{aligned}$$

$$\begin{aligned} 7) \quad y &= 3x + 2 \\ y &= -3x + 8 \end{aligned}$$

$$\begin{aligned} 8) \quad y &= -2x - 9 \\ y &= -5x - 21 \end{aligned}$$

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

$$\begin{aligned} 10) \quad y &= 7x - 24 \\ y &= -3x + 16 \end{aligned}$$