

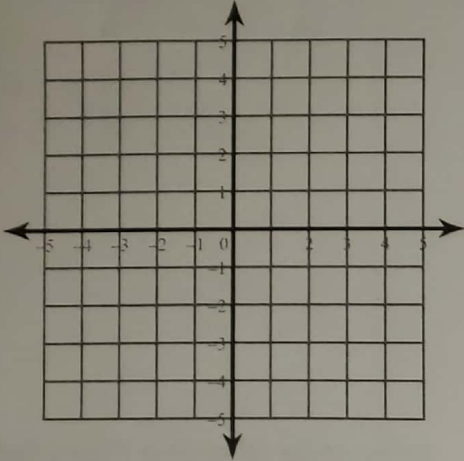
## Systems of Equations Practice- all methods

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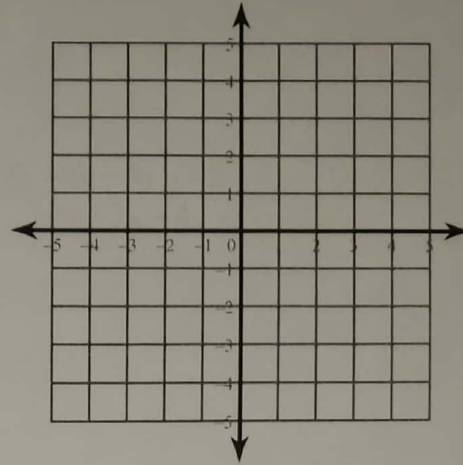
Solve each system by graphing.

1)  $y = -\frac{1}{4}x - 4$

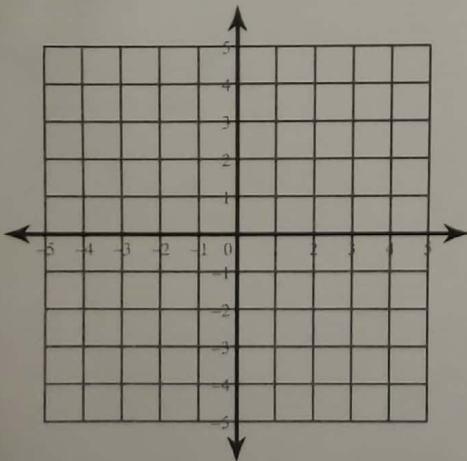
$y = \frac{5}{4}x + 2$



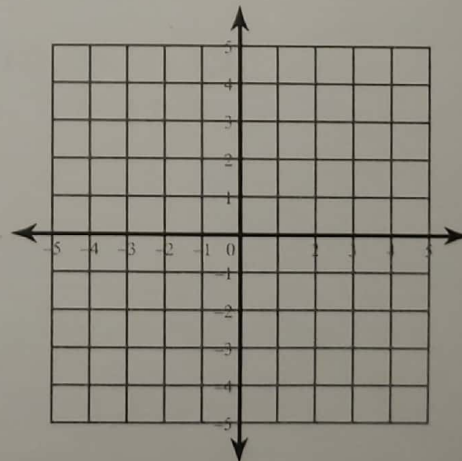
2)  $y = 2x + 3$   
 $y = -4x - 3$



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



4)  $3x + 4y = 4$   
 $3x + 4y = -16$



Solve each system by substitution.

$$\begin{aligned} 5) \quad x + 8y &= -15 \\ 7x + 8y &= -9 \end{aligned}$$

$$\begin{aligned} 6) \quad -5x - 7y &= 11 \\ x - 2y &= -9 \end{aligned}$$

$$\begin{aligned} 7) \quad y &= -7x + 1 \\ 5x + 4y &= -19 \end{aligned}$$

$$\begin{aligned} 8) \quad -9x - 3y &= -2 \\ y &= -3x - 4 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 9) \quad 6x + 2y &= -6 \\ 7x + 4y &= 8 \end{aligned}$$

$$\begin{aligned} 10) \quad 5x + 3y &= 15 \\ 10x + 6y &= 20 \end{aligned}$$

$$\begin{aligned} 11) \quad -6x - 9y &= 0 \\ -24x &= 36y \end{aligned}$$

$$\begin{aligned} 12) \quad -3 - 3y &= 12x \\ -5 - y &= 2x \end{aligned}$$