

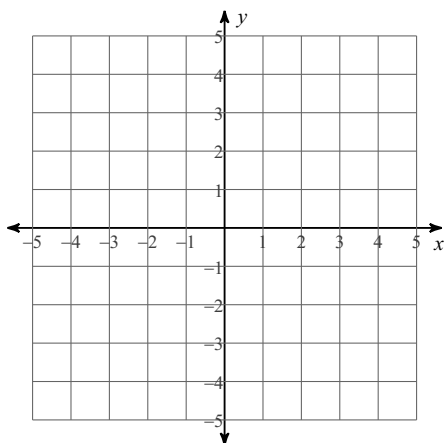
Solving Systems of Equations HW

Date _____ Period _____

Solve each system by graphing.

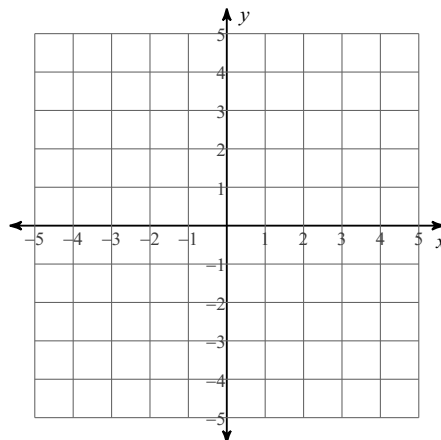
1) $y = -\frac{3}{2}x - 4$

$y = \frac{1}{2}x + 4$



2) $y = 2x + 4$

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

**Solve each system by substitution.**

3) $x + 4y = 3$

$5x + 5y = -15$

4) $x + 2y = -4$

$5x + 3y = -20$

$$\begin{aligned} 5) \quad & 2x + y = 0 \\ & 7x - 4y = -15 \end{aligned}$$

$$\begin{aligned} 6) \quad & -2x + y = 1 \\ & -6x + 7y = 7 \end{aligned}$$

$$\begin{aligned} 7) \quad & 4x - 6y = -4 \\ & x - 3y = 5 \end{aligned}$$

$$\begin{aligned} 8) \quad & 5x - 8y = -4 \\ & x - 2y = 0 \end{aligned}$$

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

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

$$\begin{aligned} 11) \quad & x + 6y = 12 \\ & 4x + 3y = 6 \end{aligned}$$

$$\begin{aligned} 12) \quad & 3x + y = -3 \\ & -7x - 3y = 9 \end{aligned}$$