

## Algebra 1.5

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**Solve each system by substitution. Graph any 4 equations to verify your answers.**

1)  $y = x - 2$   
 $-4x - 4y = -8$

2)  $y = 3x + 11$   
 $3x + 4y = -1$

3)  $-2x - 2y = 6$   
 $y = -2x - 5$

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

$$\begin{aligned} 5) \quad & -4x + 5y = -24 \\ & x + 4y = -15 \end{aligned}$$

$$\begin{aligned} 6) \quad & 4x + y = 8 \\ & 3x - 6y = 6 \end{aligned}$$

$$\begin{aligned} 7) \quad & -6x + 6y = -12 \\ & x - 6y = -23 \end{aligned}$$

$$\begin{aligned} 8) \quad & -4x - 7y = -3 \\ & x + 6y = 22 \end{aligned}$$

$$\begin{aligned} 9) \quad & -5x + 4y = -7 \\ & x - 2y = -7 \end{aligned}$$

$$\begin{aligned} 10) \quad & 3x - 4y = 2 \\ & x + y = 3 \end{aligned}$$

$$\begin{aligned} 11) \quad & 8x + 8y = -24 \\ & y = -1 \end{aligned}$$

$$\begin{aligned} 12) \quad & x + 2y = -1 \\ & 6x + 3y = -24 \end{aligned}$$

**Solve each system by substitution.**

$$\begin{aligned} 13) \quad & 8x + 4y = 0 \\ & -7x - y = 5 \end{aligned}$$

$$\begin{aligned} 14) \quad & 4x + 4y = -12 \\ & 5x - 3y = 1 \end{aligned}$$