

Systems of equations by Substitution

Solve each system by substitution.

$$\begin{aligned} 1) \quad & y = -2x + 4 \\ & y = x - 8 \end{aligned}$$

$$\begin{aligned} 2) \quad & y = 2x + 9 \\ & y = 3x + 12 \end{aligned}$$

$$\begin{aligned} 3) \quad & y = x + 1 \\ & y = -2x + 10 \end{aligned}$$

$$\begin{aligned} 4) \quad & y = 3x + 1 \\ & y = -2x + 6 \end{aligned}$$

$$\begin{aligned} 5) \quad & y = 4x + 6 \\ & y = 2x + 4 \end{aligned}$$

$$\begin{aligned} 6) \quad & -7x + y = 2 \\ & 7x - 8y = -16 \end{aligned}$$

$$\begin{aligned} 7) \quad & x - 6y = -24 \\ & 5x - 4y = -16 \end{aligned}$$

$$\begin{aligned} 8) \quad & 8x - y = 20 \\ & -4x + y = -8 \end{aligned}$$

$$\begin{aligned} 9) \quad & 3x + 6y = 6 \\ & 2x + y = 1 \end{aligned}$$

$$\begin{aligned} 10) \quad & -2x - 5y = 6 \\ & x - 2y = 6 \end{aligned}$$

$$\begin{aligned} 11) \quad & 5x + 8y = -14 \\ & -15x - 24y = 42 \end{aligned}$$

$$\begin{aligned} 12) \quad & 3x - 8y = -8 \\ & -3x + 8y = 3 \end{aligned}$$

$$\begin{aligned} 13) \quad & 2x + 3y = -17 \\ & y = -7 \end{aligned}$$

$$\begin{aligned} 14) \quad & 4x - 4y = -8 \\ & 7x + 7y = -14 \end{aligned}$$

$$\begin{aligned} 15) \quad & -x - 2y = -3 \\ & -8x + 8y = -24 \end{aligned}$$

$$\begin{aligned} 16) \quad & y = 4x + 5 \\ & -2x - y = 7 \end{aligned}$$