

4.2 Practice - Substitution

Solve each system by substitution.

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

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

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

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

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

$$\begin{aligned} 11) \quad & y = 6x - 6 \\ & -3x - 3y = -24 \end{aligned}$$

$$\begin{aligned} 13) \quad & y = -6 \\ & 3x - 6y = 30 \end{aligned}$$

$$\begin{aligned} 15) \quad & y = -5 \\ & 3x + 4y = -17 \end{aligned}$$

$$\begin{aligned} 17) \quad & -2x + 2y = 18 \\ & y = 7x + 15 \end{aligned}$$

$$\begin{aligned} 19) \quad & y = -8x + 19 \\ & -x + 6y = 16 \end{aligned}$$

$$\begin{aligned} 21) \quad & 7x - 2y = -7 \\ & y = 7 \end{aligned}$$

$$\begin{aligned} 23) \quad & x - 5y = 7 \\ & 2x + 7y = -20 \end{aligned}$$

$$\begin{aligned} 25) \quad & -2x - y = -5 \\ & x - 8y = -23 \end{aligned}$$

$$\begin{aligned} 27) \quad & -6x + y = 20 \\ & -3x - 3y = -18 \end{aligned}$$

$$\begin{aligned} 29) \quad & 3x + y = 9 \\ & 2x + 8y = -16 \end{aligned}$$

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

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

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

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

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

$$\begin{aligned} 12) \quad & -x + 3y = 12 \\ & y = 6x + 21 \end{aligned}$$

$$\begin{aligned} 14) \quad & 6x - 4y = -8 \\ & y = -6x + 2 \end{aligned}$$

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

$$\begin{aligned} 18) \quad & y = x + 4 \\ & 3x - 4y = -19 \end{aligned}$$

$$\begin{aligned} 20) \quad & y = -2x + 8 \\ & -7x - 6y = -8 \end{aligned}$$

$$\begin{aligned} 22) \quad & x - 2y = -13 \\ & 4x + 2y = 18 \end{aligned}$$

$$\begin{aligned} 24) \quad & 3x - 4y = 15 \\ & 7x + y = 4 \end{aligned}$$

$$\begin{aligned} 26) \quad & 6x + 4y = 16 \\ & -2x + y = -3 \end{aligned}$$

$$\begin{aligned} 28) \quad & 7x + 5y = -13 \\ & x - 4y = -16 \end{aligned}$$

$$\begin{aligned} 30) \quad & -5x - 5y = -20 \\ & -2x + y = 7 \end{aligned}$$