

Solving systems by substitution #1

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Date_____ Period____

Solve each system by substitution.

$$\begin{aligned} 1) \quad & 5x + 6y = -1 \\ & y = -4x - 16 \end{aligned}$$

$$\begin{aligned} 2) \quad & 6x - 3y = 18 \\ & y = x - 2 \end{aligned}$$

$$\begin{aligned} 3) \quad & 7x - 4y = -5 \\ & y = 5x - 2 \end{aligned}$$

$$\begin{aligned} 4) \quad & -6x + 6y = 0 \\ & y = -8x + 18 \end{aligned}$$

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

$$\begin{aligned} 6) \quad & 8x + 2y = -10 \\ & y = 5x + 22 \end{aligned}$$

$$\begin{array}{l} 7) \quad -5x - y = 1 \\ \quad \quad 5x + y = -1 \end{array}$$

$$\begin{array}{l} 8) \quad -3x + y = 8 \\ \quad \quad -5x - 7y = 22 \end{array}$$

$$\begin{array}{l} 9) \quad -3x - y = -12 \\ \quad \quad 5x + y = 16 \end{array}$$

$$\begin{array}{l} 10) \quad x + 4y = 22 \\ \quad \quad 3x + 3y = 3 \end{array}$$

$$\begin{array}{l} 11) \quad 3x + y = 1 \\ \quad \quad 8x - 2y = -2 \end{array}$$

$$\begin{array}{l} 12) \quad 5x + y = 11 \\ \quad \quad 3x - 7y = -1 \end{array}$$