

Solving systems by substitution #2

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Date_____ Period____

Solve each system by substitution.

$$\begin{aligned} 1) \quad & -x + 2y = 11 \\ & y = -3x - 12 \end{aligned}$$

$$\begin{aligned} 2) \quad & -5x + 2y = 6 \\ & y = 8x + 3 \end{aligned}$$

$$\begin{aligned} 3) \quad & y = -5x - 7 \\ & 5x + 2y = -14 \end{aligned}$$

$$\begin{aligned} 4) \quad & -8x + 4y = -4 \\ & y = 8x + 17 \end{aligned}$$

$$\begin{aligned} 5) \quad & 8x + 2y = 22 \\ & -4x + y = -5 \end{aligned}$$

$$\begin{aligned} 6) \quad & -5x - 3y = 24 \\ & -2x + y = -8 \end{aligned}$$

$$\begin{aligned} 7) \quad & -8x + 5y = -17 \\ & x + 3y = 13 \end{aligned}$$

$$\begin{aligned} 8) \quad & 7x + y = -10 \\ & -6x + 6y = -12 \end{aligned}$$

$$\begin{array}{l} 9) \quad 2x + y = -12 \\ \quad -2x - 7y = -12 \end{array}$$

$$\begin{array}{l} 10) \quad -3x + y = -10 \\ \quad -5x - 6y = -9 \end{array}$$

$$\begin{array}{l} 11) \quad -6x - 6y = 12 \\ \quad -5x + y = 10 \end{array}$$

$$\begin{array}{l} 12) \quad x - 2y = -12 \\ \quad -3x + 4y = 24 \end{array}$$

$$\begin{array}{l} 13) \quad x + 5y = -3 \\ \quad -8x - 5y = 24 \end{array}$$

$$\begin{array}{l} 14) \quad 6x + 6y = 6 \\ \quad x + 2y = -2 \end{array}$$

$$\begin{array}{l} 15) \quad -5x - 8y = 24 \\ \quad x + 5y = 2 \end{array}$$

$$\begin{array}{l} 16) \quad 3x + y = 0 \\ \quad 9x + 3y = 4 \end{array}$$