

Solving Systems Using Substitution - Day 2

Solve each system by substitution.

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

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

$$\begin{aligned} 3) \quad & y = -2x - 2 \\ & 8x + 2y = -12 \end{aligned}$$

$$\begin{aligned} 4) \quad & -6x + 4y = -18 \\ & y = x - 2 \end{aligned}$$

$$\begin{aligned} 5) \quad & y = 8x - 5 \\ & y = 4x - 1 \end{aligned}$$

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

$$\begin{aligned} 7) \quad & -x - y = -5 \\ & y = 1 \end{aligned}$$

$$\begin{aligned} 8) \quad & -3x + 8y = -15 \\ & -3x + y = 6 \end{aligned}$$

$$\begin{aligned} 9) \quad & -x - 5y = -19 \\ & x - 7y = -17 \end{aligned}$$

$$\begin{aligned} 10) \quad & 3x + 6y = 15 \\ & y = 4 \end{aligned}$$

$$\begin{aligned} 11) \quad & -2x + 5y = -10 \\ & -7x + y = -2 \end{aligned}$$

$$\begin{aligned} 12) \quad & 3x + y = 8 \\ & 6x + 4y = 20 \end{aligned}$$

$$\begin{aligned} 13) \quad & -7x - 7y = -21 \\ & 4x + y = 6 \end{aligned}$$

$$\begin{aligned} 14) \quad & x - 4y = 3 \\ & 2x - 4y = 2 \end{aligned}$$

$$\begin{aligned} 15) \quad & -6x - y = -13 \\ & 2x + 2y = -4 \end{aligned}$$

$$\begin{aligned} 16) \quad & -2x - 5y = 20 \\ & y = -4 \end{aligned}$$

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Solve each system by substitution.

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

$$(0, -2)$$

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

$$(-1, -3)$$

$$\begin{aligned} 3) \quad & y = -2x - 2 \\ & 8x + 2y = -12 \end{aligned}$$

$$(-2, 2)$$

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$$(5, 3)$$

$$\begin{aligned} 5) \quad & y = 8x - 5 \\ & y = 4x - 1 \end{aligned}$$

$$(1, 3)$$

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

$$(4, 0)$$

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$$(4, 1)$$

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$$(3, -5)$$

$$\begin{aligned} 16) \quad & -2x - 5y = 20 \\ & y = -4 \end{aligned}$$

$$(0, -4)$$