

## Solving Systems by Elimination - Day 1

**Solve each system by elimination.**

1)  $-x + 5y = 13$   
 $x + y = 11$

2)  $-4x + 6y = -30$   
 $-6x - 6y = -30$

3)  $5x - 6y = -27$   
 $-5x + 3y = 6$

4)  $9x - 5y = -22$   
 $-9x + 8y = -8$

5)  $3x - y = 27$   
 $3x - 4y = 18$

6)  $-x - 2y = 5$   
 $-x - y = 7$

$$\begin{aligned} 7) \quad & -4x - 8y = 20 \\ & -10x - 8y = 14 \end{aligned}$$

$$\begin{aligned} 8) \quad & 5x - 9y = 7 \\ & 5x + y = -23 \end{aligned}$$

$$\begin{aligned} 9) \quad & -9y = -7x - 13 \\ & 21y - 21x = 21 \end{aligned}$$

$$\begin{aligned} 10) \quad & -x - 3y = 11 \\ & 38 + 6y = -10x \end{aligned}$$

$$\begin{aligned} 11) \quad & 17 + 3x + y = 0 \\ & 11 - 2y = -3x \end{aligned}$$

$$\begin{aligned} 12) \quad & 2x + 2 = 9y \\ & 8 = -8x + 9y \end{aligned}$$

$$\begin{aligned} 13) \quad & -5x - 10y = -15 \\ & 18 - 5x = 7y \end{aligned}$$

$$\begin{aligned} 14) \quad & 2 = 4y - 2x \\ & 4y = -x + 17 \end{aligned}$$

## Solving Systems by Elimination - Day 1

Solve each system by elimination.

$$\begin{aligned} 1) \quad & -x + 5y = 13 \\ & x + y = 11 \end{aligned}$$

$(7, 4)$

$$\begin{aligned} 2) \quad & -4x + 6y = -30 \\ & -6x - 6y = -30 \end{aligned}$$

$(6, -1)$

$$\begin{aligned} 3) \quad & 5x - 6y = -27 \\ & -5x + 3y = 6 \end{aligned}$$

$(3, 7)$

$$\begin{aligned} 4) \quad & 9x - 5y = -22 \\ & -9x + 8y = -8 \end{aligned}$$

$(-8, -10)$

$$\begin{aligned} 5) \quad & 3x - y = 27 \\ & 3x - 4y = 18 \end{aligned}$$

$(10, 3)$

$$\begin{aligned} 6) \quad & -x - 2y = 5 \\ & -x - y = 7 \end{aligned}$$

$(-9, 2)$

$$\begin{aligned} 7) \quad & -4x - 8y = 20 \\ & -10x - 8y = 14 \\ & (1, -3) \end{aligned}$$

$$\begin{aligned} 8) \quad & 5x - 9y = 7 \\ & 5x + y = -23 \\ & (-4, -3) \end{aligned}$$

$$\begin{aligned} 9) \quad & -9y = -7x - 13 \\ & 21y - 21x = 21 \\ & (2, 3) \end{aligned}$$

$$\begin{aligned} 10) \quad & -x - 3y = 11 \\ & 38 + 6y = -10x \\ & (-2, -3) \end{aligned}$$

$$\begin{aligned} 11) \quad & 17 + 3x + y = 0 \\ & 11 - 2y = -3x \\ & (-5, -2) \end{aligned}$$

$$\begin{aligned} 12) \quad & 2x + 2 = 9y \\ & 8 = -8x + 9y \\ & (-1, 0) \end{aligned}$$

$$\begin{aligned} 13) \quad & -5x - 10y = -15 \\ & 18 - 5x = 7y \\ & (5, -1) \end{aligned}$$

$$\begin{aligned} 14) \quad & 2 = 4y - 2x \\ & 4y = -x + 17 \\ & (5, 3) \end{aligned}$$