

Elimination Worksheet

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Solve each system by elimination.

1)
$$\begin{aligned} -2x - 9y &= 27 \\ -10x + 3y &= -9 \end{aligned}$$

2)
$$\begin{aligned} 3x - 6y &= -3 \\ 7x - 3y &= -7 \end{aligned}$$

3)
$$\begin{aligned} -14x + 8y &= 12 \\ 7x - 3y &= -1 \end{aligned}$$

4)
$$\begin{aligned} -4x + 6y &= -8 \\ -7x + 12y &= -26 \end{aligned}$$

$$\begin{aligned} 5) \quad & -6x + y = -3 \\ & -3x + 7y = -21 \end{aligned}$$

$$\begin{aligned} 6) \quad & -x + 12y = -11 \\ & -5x - 4y = 9 \end{aligned}$$

$$\begin{aligned} 7) \quad & -7x + 7y = -28 \\ & -3x + 14y = -23 \end{aligned}$$

$$\begin{aligned} 8) \quad & 9x + 5y = 22 \\ & -4x - 2y = -12 \end{aligned}$$

$$\begin{aligned} 9) \quad & 7x + 7y = -14 \\ & -9x - 10y = 13 \end{aligned}$$

$$\begin{aligned} 10) \quad & 3x - 6y = -9 \\ & 2x - 9y = -26 \end{aligned}$$

$$\begin{aligned} 11) \quad & -7x - 3y = -4 \\ & 10x + 8y = 28 \end{aligned}$$

$$\begin{aligned} 12) \quad & -9x + 4y = -16 \\ & 10x - 10y = -10 \end{aligned}$$

$$\begin{aligned} 13) \quad & 2x + 5y = 11 \\ & -7x - 9y = -13 \end{aligned}$$

$$\begin{aligned} 14) \quad & -3x + 7y = 22 \\ & -10x + 4y = -4 \end{aligned}$$

Answers to Elimination Worksheet

1) $(0, -3)$

5) $(0, -3)$

9) $(-7, 5)$

13) $(-2, 3)$

2) $(-1, 0)$

6) $(-1, -1)$

10) $(5, 4)$

14) $(2, 4)$

3) $(2, 5)$

7) $(3, -1)$

11) $(-2, 6)$

4) $(-10, -8)$

8) $(8, -10)$

12) $(4, 5)$