

Solve each system by elimination.

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

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

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

$$\begin{aligned} 4) \quad & 2x + 3y = 4 \\ & -2x + 3y = 8 \end{aligned}$$

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

$$\begin{aligned} 6) \quad & -3x - 4y = 4 \\ & 3x + 3y = 0 \end{aligned}$$

$$\begin{aligned} 7) \quad & 4x - 4y = -8 \\ & x - 4y = -2 \end{aligned}$$

$$\begin{aligned} 8) \quad & -3x - 3y = -3 \\ & -3x + 2y = 7 \end{aligned}$$

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

$$\begin{aligned} 10) \quad & -x - y = -2 \\ & 2x - y = 4 \end{aligned}$$

$$\begin{aligned} 11) \quad & -4x - 3y = 6 \\ & x - 3y = 6 \end{aligned}$$

$$\begin{aligned} 12) \quad & 3x - 4y = 5 \\ & 3x + y = 10 \end{aligned}$$

Answers to 12-05-29-T7

1) Infinite number of solutions

2) Infinite number of solutions

3) $(1, 4)$

4) $(-1, 2)$

5) $(-2, 1)$

6) $(4, -4)$

7) $(-2, 0)$

8) $(-1, 2)$

9) $(-4, 1)$

10) $(2, 0)$

11) $(0, -2)$

12) $(3, 1)$