

Lesson 2 Assignment Systems of Equations by Elimination Date _____ Period _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad & -x + 4y = -19 \\ & x - 4y = 21 \end{aligned}$$

$$\begin{aligned} 2) \quad & -6x - 3y = 30 \\ & 6x + 7y = 2 \end{aligned}$$

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

$$\begin{aligned} 4) \quad & 2x + 7y = -16 \\ & 2x + 8y = -18 \end{aligned}$$

$$\begin{aligned} 5) \quad & x + y = -4 \\ & -4x - 9y = 26 \end{aligned}$$

$$\begin{aligned} 6) \quad & 6x + 4y = 14 \\ & -10x - 12y = -18 \end{aligned}$$

$$\begin{aligned} 7) \quad & -2x - 10y = 22 \\ & -7x + 20y = 22 \end{aligned}$$

$$\begin{aligned} 8) \quad & -7x - 10y = -14 \\ & 14x - 8y = 28 \end{aligned}$$

$$\begin{aligned} 9) \quad & -2x - 5y = -12 \\ & 3x - 3y = 18 \end{aligned}$$

$$\begin{aligned} 10) \quad & 5x + 5y = -10 \\ & 9x + 2y = -25 \end{aligned}$$

Answers to Lesson 2 Assignment Systems of Equations by Elimination (ID: 1)

1) No solution

2) $(-9, 8)$

3) Infinite number of solutions

4) $(-1, -2)$

5) $(-2, -2)$

6) $(3, -1)$

7) $(-6, -1)$

8) $(2, 0)$

9) $(6, 0)$

10) $(-3, 1)$