

Solving by Elimination Add/Subtract

Date _____ Period _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad & -6x + 9y = -9 \\ & 6x - 10y = 14 \end{aligned}$$

$$\begin{aligned} 2) \quad & -8x + 6y = -12 \\ & 10x - 6y = 0 \end{aligned}$$

$$\begin{aligned} 3) \quad & 2x + 4y = -10 \\ & -2x + 9y = -16 \end{aligned}$$

$$\begin{aligned} 4) \quad & -6x - 2y = 4 \\ & -x + 2y = -11 \end{aligned}$$

$$\begin{aligned} 5) \quad & -8x - 4y = -20 \\ & 7x + 4y = 13 \end{aligned}$$

$$\begin{aligned} 6) \quad & -8x - 7y = 6 \\ & 8x + 2y = 4 \end{aligned}$$

$$\begin{aligned} 7) \quad & 4x + 4y = -20 \\ & -x + 4y = 30 \end{aligned}$$

$$\begin{aligned} 8) \quad & 5x + 3y = 5 \\ & 5x + 2y = 10 \end{aligned}$$

$$\begin{aligned} 9) \quad & -2x - 8y = 22 \\ & -10x - 8y = 14 \end{aligned}$$

$$\begin{aligned} 10) \quad & -10x + 2y = -4 \\ & -10x - 6y = -28 \end{aligned}$$

$$\begin{aligned} 11) \quad & 9x + 6y = -18 \\ & 6x + 6y = 0 \end{aligned}$$

$$\begin{aligned} 12) \quad & -7x - 10y = 27 \\ & -7x - 9y = 25 \end{aligned}$$

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Date _____ Period _____

Solve each system by elimination.

1) $-6x + 9y = -9$

$6x - 10y = 14$

$(-6, -5)$

2) $-8x + 6y = -12$

$10x - 6y = 0$

$(-6, -10)$

3) $2x + 4y = -10$

$-2x + 9y = -16$

$(-1, -2)$

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

$-x + 2y = -11$

$(1, -5)$

5) $-8x - 4y = -20$

$7x + 4y = 13$

$(7, -9)$

6) $-8x - 7y = 6$

$8x + 2y = 4$

$(1, -2)$

$$\begin{aligned} 7) \quad & 4x + 4y = -20 \\ & -x + 4y = 30 \\ & (-10, 5) \end{aligned}$$

$$\begin{aligned} 8) \quad & 5x + 3y = 5 \\ & 5x + 2y = 10 \\ & (4, -5) \end{aligned}$$

$$\begin{aligned} 9) \quad & -2x - 8y = 22 \\ & -10x - 8y = 14 \\ & (1, -3) \end{aligned}$$

$$\begin{aligned} 10) \quad & -10x + 2y = -4 \\ & -10x - 6y = -28 \\ & (1, 3) \end{aligned}$$

$$\begin{aligned} 11) \quad & 9x + 6y = -18 \\ & 6x + 6y = 0 \\ & (-6, 6) \end{aligned}$$

$$\begin{aligned} 12) \quad & -7x - 10y = 27 \\ & -7x - 9y = 25 \\ & (-1, -2) \end{aligned}$$