

6.3B

Date _____ Period _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad & -5x + 7y = -27 \\ & 7x - 7y = 21 \end{aligned}$$

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

$$\begin{aligned} 3) \quad & 7x + 3y = -22 \\ & 5x + 3y = -14 \end{aligned}$$

$$\begin{aligned} 4) \quad & -9x - 10y = -5 \\ & -9x - 8y = 5 \end{aligned}$$

$$\begin{aligned} 5) \quad & -6x - 7y = -25 \\ & 3x + 6y = 30 \end{aligned}$$

$$\begin{aligned} 6) \quad & -8x + 3y = 7 \\ & 16x - 9y = -5 \end{aligned}$$

$$\begin{aligned} 7) \quad & 9x - 12y = 6 \\ & -10x + 6y = -14 \end{aligned}$$

$$\begin{aligned} 8) \quad & -5x + 3y = -9 \\ & -6x + 5y = -15 \end{aligned}$$

$$\begin{aligned} 9) \quad & 4x - 6y = -20 \\ & 7x - 9y = -20 \end{aligned}$$

$$\begin{aligned} 10) \quad & -5x - 6y = -26 \\ & 4x + 8y = 8 \end{aligned}$$

Re-arrange each first. Solve each system by elimination.

$$\begin{aligned} 11) \quad & -2x = 5y + 27 \\ & 5y - 18 = -7x \end{aligned}$$

$$\begin{aligned} 12) \quad & -8y - 60 = -4x \\ & 7x = -3 - 4y \end{aligned}$$

$$\begin{aligned} 13) \quad & -4 + 2x + 2y = 0 \\ & -19 + 12x = -7y \end{aligned}$$

$$\begin{aligned} 14) \quad & -8x - 22 = -7y \\ & 21 = 9y - 3x \end{aligned}$$