

5.3A Solving Systems of Equations Using Elimination

Date _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad x + 2y &= -8 \\ 2x - 2y &= 20 \end{aligned}$$

$$\begin{aligned} 2) \quad 2x + 2y &= -10 \\ -2x - 3y &= 18 \end{aligned}$$

$$\begin{aligned} 3) \quad -8x + 9y &= 18 \\ 8x - 6y &= 12 \end{aligned}$$

$$\begin{aligned} 4) \quad -2x + 9y &= 6 \\ 2x + 4y &= 20 \end{aligned}$$

$$\begin{aligned} 5) \quad -6x - 4y &= 14 \\ 3x + 4y &= 13 \end{aligned}$$

$$\begin{aligned} 6) \quad 7x + 2y &= 23 \\ -7x - 10y &= 25 \end{aligned}$$

$$\begin{aligned} 7) \quad -2x + 5y &= 3 \\ -5y + 21 &= x \end{aligned}$$

$$\begin{aligned} 8) \quad 20 + 9y &= 2x \\ x - 7 &= 3y \end{aligned}$$

$$\begin{aligned} 9) \quad & 10x - y = 10 \\ & -y = 8x - 26 \end{aligned}$$

$$\begin{aligned} 10) \quad & -6x + 42 = 6y \\ & -9y + 69 = 6x \end{aligned}$$

$$\begin{aligned} 11) \quad & 6x = -8y + 18 \\ & 27 - 7y = -6x \end{aligned}$$

$$\begin{aligned} 12) \quad & 0 = 24 - 20x + 14y \\ & -18 - 7y = -8x \end{aligned}$$

$$\begin{aligned} 13) \quad & 3x - 5y = 10 \\ & 3x - 2y = 22 \end{aligned}$$

$$\begin{aligned} 14) \quad & 3x - 8y = -13 \\ & 4x - 8y = -4 \end{aligned}$$

$$\begin{aligned} 15) \quad & 5x + 2y = -27 \\ & 5x + 2y = -25 \end{aligned}$$

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