

## 6.3A: Elimination

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each system by elimination.**

$$\begin{array}{l} 1) \ 3x + 9y = 30 \\ \quad -3x - 5y = -22 \end{array}$$

$$\begin{array}{l} 2) \ x + 9y = -9 \\ \quad -7x - 9y = 9 \end{array}$$

$$\begin{array}{l} 3) \ 5x - 2y = -20 \\ \quad -10x + 5y = 30 \end{array}$$

$$\begin{array}{l} 4) \ 6x - 5y = 2 \\ \quad 2x + 6y = 16 \end{array}$$

$$\begin{array}{l} 5) \ -3x - 9y = -3 \\ \quad 7x + 18y = 10 \end{array}$$

$$\begin{array}{l} 6) \ -9x - 4y = -2 \\ \quad 7x + 5y = -6 \end{array}$$

$$\begin{aligned} 7) \quad & 5x + 7y = 15 \\ & 3x + 3y = 15 \end{aligned}$$

$$\begin{aligned} 8) \quad & 2x - 9y = -8 \\ & -7x + 10y = -15 \end{aligned}$$

$$\begin{aligned} 9) \quad & 8 = 6x - 4y \\ & 15 + 8x = 9y \end{aligned}$$

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

$$\begin{aligned} 11) \quad & 3x - 6 = -2y \\ & -7y - 8x = -11 \end{aligned}$$

$$\begin{aligned} 12) \quad & -6y = -28 - 2x \\ & -18x + 18y - 36 = 0 \end{aligned}$$