

## Solving Systems by Elimination Assignment #1

Date \_\_\_\_\_ Hour \_\_\_\_\_

**Solve each system by elimination.**

1) 
$$\begin{aligned} 6x + 10y &= 4 \\ -3x - 10y &= 8 \end{aligned}$$

2) 
$$\begin{aligned} -4x - 3y &= 1 \\ 4x - 6y &= 26 \end{aligned}$$

3) 
$$\begin{aligned} -2x + 9y &= -9 \\ -2x + 9y &= -11 \end{aligned}$$

4) 
$$\begin{aligned} -6x + 8y &= -10 \\ -6x - 5y &= 16 \end{aligned}$$

$$\begin{aligned} 5) \quad & -2x - 8y = 6 \\ & -x - 16y = -9 \end{aligned}$$

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

$$\begin{aligned} 7) \quad & -11x - 7y = -31 \\ & 3x + 10y = -32 \end{aligned}$$

$$\begin{aligned} 8) \quad & 11x - 5y = 12 \\ & -5x - 2y = 33 \end{aligned}$$

**CHALLENGE: Solve each system by elimination.**

$$\begin{aligned} 9) \quad & 36 = -12x - 18y \\ & 5y + 3x = -14 \end{aligned}$$

$$\begin{aligned} 10) \quad & 7 + 3y = -7x \\ & 5x = -2y - 4 \end{aligned}$$