

## Solving Systems Using Linear Combinations

**Solve each system by elimination.**

1)  $10x + 6y = -12$   
 $-9x - 6y = 15$

2)  $-3x - 2y = -24$   
 $-7x + 2y = 4$

3)  $x + 2y = 10$   
 $x - y = -17$

4)  $5x - 9y = 11$   
 $5x - 5y = -5$

$$\begin{aligned} 5) \quad & 2x - y = 10 \\ & -3x + 7y = 18 \end{aligned}$$

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

$$\begin{aligned} 7) \quad & -6x - 3y = 18 \\ & 9x + 7y = -27 \end{aligned}$$

$$\begin{aligned} 8) \quad & 5x - 5y = 10 \\ & 6x - 6y = 12 \end{aligned}$$