

Practice: Solving Systems of Equations (3 Different Methods) Date _____

Solve each system by substitution.

$$\begin{aligned} 1) \quad & 4x + 3y = -8 \\ & -8x + y = -12 \end{aligned}$$

$$\begin{aligned} 2) \quad & 4x - 2y = 8 \\ & y = -2 \end{aligned}$$

$$\begin{aligned} 3) \quad & 14x - 2y = 46 \\ & -7x + y = -23 \end{aligned}$$

$$\begin{aligned} 4) \quad & 5x + y = 8 \\ & -3x + 2y = -10 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 5) \quad & 10x - 8y = 4 \\ & -5x + 3y = -9 \end{aligned}$$

$$\begin{aligned} 6) \quad & -15x + 9y = 27 \\ & -5x - y = 17 \end{aligned}$$

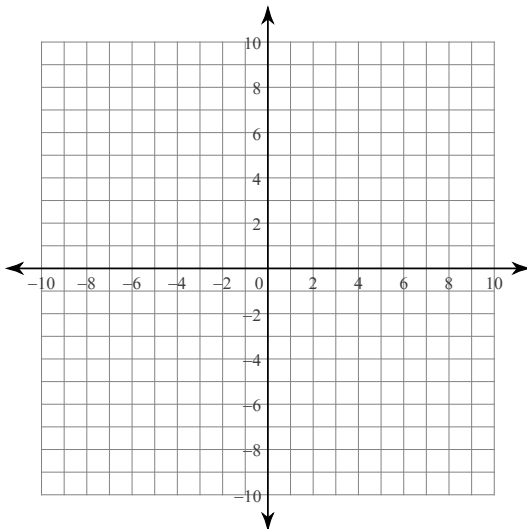
$$\begin{aligned} 7) \quad & -7x - 8y = -23 \\ & 4x + 4y = 12 \end{aligned}$$

$$\begin{aligned} 8) \quad & -3x - 10y = -4 \\ & x - 5y = 18 \end{aligned}$$

Solve each system by graphing.

$$9) \quad y = \frac{5}{7}x + 4$$

$$y = -\frac{1}{7}x - 2$$



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

