

Solving Linear Systems by Substitution

Period _____

Solve each system by substitution.

1) $y = -4$
 $5x + 8y = -17$

2) $y = 8$
 $-x + 2y = 18$

3) $-2x - 2y = 12$
 $-2x + 2y = 16$

4) $-6x - y = -15$
 $-7x + 8y = 10$

$$\begin{aligned} 5) \quad & 7x - 5y = 3 \\ & 7x + 6y = -19 \end{aligned}$$

$$\begin{aligned} 6) \quad & -7x - y = -3 \\ & 4x + 3y = 9 \end{aligned}$$

$$\begin{aligned} 7) \quad & -3x - 8y = -17 \\ & 6x + 4y = 22 \end{aligned}$$

$$\begin{aligned} 8) \quad & 6x - 2y = 22 \\ & -6x - 5y = -8 \end{aligned}$$

$$\begin{aligned} 9) \quad & -x + 5y = -20 \\ & y = -4 \end{aligned}$$

$$\begin{aligned} 10) \quad & -8x - 5y = -5 \\ & -7x - y = -1 \end{aligned}$$