

Unit 3.3 Practice Solving systems using substitution

Period _____

Solve each system by substitution.

1) $y = 2x - 5$
 $y = -2x + 11$

2) $y = 7x + 4$
 $y = -6x + 4$

3) $y = -8x - 12$
 $y = x + 6$

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

5) $8x - 6y = -18$
 $y = 6x - 11$

6) $3x - y = 13$
 $y = 3x - 13$

7) $y = 3x - 12$
 $2x + 3y = 19$

8) $-8x - 8y = 24$
 $y = 5x + 9$

$$\begin{aligned} 9) \quad & -8x + y = -15 \\ & -6x - 6y = -18 \end{aligned}$$

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

$$\begin{aligned} 11) \quad & x - 3y = 5 \\ & -x + 3y = 7 \end{aligned}$$

$$\begin{aligned} 12) \quad & 3x + y = -4 \\ & 3x - 6y = -18 \end{aligned}$$

$$\begin{aligned} 13) \quad & 3x - 3y = 9 \\ & -x - 6y = -17 \end{aligned}$$

$$\begin{aligned} 14) \quad & 5x - 2y = 3 \\ & 7x + 6y = 13 \end{aligned}$$

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

$$\begin{aligned} 16) \quad & 6x + 3y = 0 \\ & -4x - 6y = -16 \end{aligned}$$