

# Solving Linear Systems by Substitution Practice Worksheet A

Name \_\_\_\_\_

Class Period \_\_\_\_\_

**Solve the linear system using substitution.**

1.  $y = x - 4$   
 $4x + y = 26$

2.  $x = y + 4$   
 $2y + x = 19$

3.  $2x = 8$   
 $x + y = 2$

4.  $2x + y = 5$   
 $-6x - 3y = -15$

5.  $2x + 3y = 31$   
 $y = x + 7$

6.  $x + y = 4$   
 $4x + y = 1$

$$\begin{aligned} 7. \quad & x - 2y = -25 \\ & 3x - y = 0 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2x - y = -2 \\ & 4x + y = 20 \end{aligned}$$

$$\begin{aligned} 9. \quad & x - y = 2 \\ & -2x + 2y = 2 \end{aligned}$$

$$\begin{aligned} 10. \quad & x - y = 0 \\ & 12x - 5y = -21 \end{aligned}$$

$$\begin{aligned} 11. \quad & x - y = -5 \\ & x + y = 16 \end{aligned}$$

$$\begin{aligned} 12. \quad & x + 3y = -3 \\ & \frac{1}{3}x + y = 1 \end{aligned}$$

$$\begin{aligned} 13. \quad & x + 2y = 1 \\ & 5x + 3y = -23 \end{aligned}$$

$$\begin{aligned} 14. \quad & -4x + y = -8 \\ & -12x + 3y = -24 \end{aligned}$$