

## Algebra 2 8-1 Solving equations using Substitution

Name: \_\_\_\_\_

Time Start: \_\_\_\_\_ Finish: \_\_\_\_\_ Total Time = \_\_\_\_\_

Solve each system of equations.

\_\_\_\_\_ 1. 
$$\begin{cases} y = 2x + 5 \\ 2x + y = 9 \end{cases}$$

\_\_\_\_\_ 2. 
$$\begin{cases} y = -x + 5 \\ x + 2y = -2 \end{cases}$$

\_\_\_\_\_ 3. 
$$\begin{cases} y = 2x + 5 \\ y = 3x + 1 \end{cases}$$

\_\_\_\_\_ 4. 
$$\begin{cases} x = 9 - y \\ 2x = 2y - 6 \end{cases}$$

\_\_\_\_\_ 5. 
$$\begin{cases} y = x - 4 \\ 2x - y = 9 \end{cases}$$

\_\_\_\_\_ 6. 
$$\begin{cases} y = 3x - 5 \\ x - 3y = -1 \end{cases}$$

\_\_\_\_\_ 7. 
$$\begin{cases} y = 2(x + 5) \\ 2x - 2y = -22 \end{cases}$$

\_\_\_\_\_ 8. 
$$\begin{cases} x = 6 + y \\ 3x + y = 18 \end{cases}$$

\_\_\_\_\_ 9. 
$$\begin{cases} y = 2x + 5 \\ y = 4x + 1 \end{cases}$$

\_\_\_\_\_ 10. 
$$\begin{cases} y = 2x + 1 \\ y = 2x + 5 \end{cases}$$