

Secondary Math III
Solving Systems using Substitution
Assignment 12.2

Name _____

Solve the system using substitution. Check answers.

1.
$$\begin{cases} 2x + 5y = 7 \\ x + 4y = 2 \end{cases}$$

2.
$$\begin{cases} 6x - 2y = 6 \\ -3x + y = 7 \end{cases}$$

3.
$$\begin{cases} x + 4y = 1 \\ 3x + 2y = -12 \end{cases}$$

4.
$$\begin{cases} 3x - 4y = -5 \\ -x + 3y = -5 \end{cases}$$

5.
$$\begin{cases} 6x - 3y = 15 \\ -2x + y = -5 \end{cases}$$

6.
$$\begin{cases} 2x + 5y = 10 \\ -3x + y = 2 \end{cases}$$

7.
$$\begin{cases} 0.03x - 0.02y = 0 \\ 3x + y = -9 \end{cases}$$

8.
$$\begin{cases} \frac{x}{6} - \frac{y}{2} = \frac{1}{3} \\ x + 2y = -3 \end{cases}$$

