

## Home Review Day 9 - Solving by Substitution

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each system by substitution.**

1)  $y = 4x + 11$   
 $-5x - 2y = -9$

2)  $y = -7x + 19$   
 $4x + 2y = 8$

3)  $3x - 7y = 16$   
 $y = 6x + 20$

4)  $y = -3x - 5$   
 $3x + 2y = -1$

$$\begin{aligned} 5) \quad & 4x + 6y = -16 \\ & y = -6x - 24 \end{aligned}$$

$$\begin{aligned} 6) \quad & -5x + 6y = -20 \\ & y = 3x + 1 \end{aligned}$$

$$\begin{aligned} 7) \quad & -2x + 3y = -4 \\ & y = 2x + 8 \end{aligned}$$

$$\begin{aligned} 8) \quad & y = 2x + 2 \\ & -6x - 3y = -6 \end{aligned}$$

$$\begin{aligned} 9) \quad & 6x - 2y = -14 \\ & y = -4x - 14 \end{aligned}$$

$$\begin{aligned} 10) \quad & y = 4x - 13 \\ & -2x + 4y = -10 \end{aligned}$$

## Answers to Home Review Day 9 - Solving by Substitution

1)  $(-1, 7)$   
5)  $(-4, 0)$   
9)  $(-3, -2)$

2)  $(3, -2)$   
6)  $(-2, -5)$   
10)  $(3, -1)$

3)  $(-4, -4)$   
7)  $(-7, -6)$

4)  $(-3, 4)$   
8)  $(0, 2)$