

## Substitution Practice

1.  $8x + 6y = 16$   
 $y = 4$

2.  $x = -2$   
 $-4x + 4y = -16$

3.  $-x - 4y = 20$   
 $y = -6x + 18$

4.  $y = x - 20$   
 $x + y = 84$

5.  $3x - y = 7$   
 $y = 5x - 13$

6.  $x = 6 - 4y$   
 $2x - 3y = 1$

7.  $3x + y = 4$   
 $6x + 2y = 7$

8.  $y = 3x - 6$   
 $-3x + y = -6$

9.  $-3x + y = 7$   
 $2x - 3y = 7$

10.  $x - 3y = 9$   
 $2x + 3y = -9$

11.  $3x + y = -19$   
 $2x + 5y = -4$

**Answers:**  
1. (-1, 4) 2. (-2, -6) 3. (4, -6) 4. (52, 32)  
5. (3, 2) 6. (2, 1) 7. No solution  
8. Infinite solutions 9. (-4, -5)  
10. (0, -3) 11. (-7, 2)