

## Solving Systems - By Substitution

Solve the following systems of equations by substitution:

1.  $y = x + 10$   
 $4x + 5y = -13$

2.  $c = 1 - d$   
 $3d - 2c = -17$

3.  $m - n = -10$   
 $n = 3m + 20$

4.  $x - 2y = 0$   
 $5x + 6y = 16$

5.  $a + b = -7$   
 $5a - 2b = 7$

6.  $5p - 3q = 9$   
 $8p + q = -3$

7.  $2x = y - 1$   
 $2y = 1 + 4x$

8.  $-j + 3k = 14$   
 $2j - 9k = -40$

9.  $7g - 5h = 1$   
 $5 - h = -4g$

10.  $6x - y = 2$   
 $2y + 4 = 12x$