

**Algebra 1    Worksheet #2    Unit 9    page 1** \_\_\_\_\_

Solve each of the following systems of equations using the **substitution method**. Show your work neatly organized.

1.      $3x + y = 10$               $x = \underline{\hspace{2cm}}$   
        $y = 2x - 5$               $y = \underline{\hspace{2cm}}$

2.      $2x + 3y = 19$       $x = \underline{\hspace{2cm}}$   
        $y = x + 3$               $y = \underline{\hspace{2cm}}$

3.      $x + 5y = 26$               $x = \underline{\hspace{2cm}}$   
        $x = y + 2$               $y = \underline{\hspace{2cm}}$

4.      $3x + 2y = 41$       $x = \underline{\hspace{2cm}}$   
        $x = 2y + 3$               $y = \underline{\hspace{2cm}}$

5.      $x + 5y = 40$               $x = \underline{\hspace{2cm}}$   
        $y = 2x - 3$               $y = \underline{\hspace{2cm}}$

6.      $y = 2x + 7$               $x = \underline{\hspace{2cm}}$   
        $3x + 5y = 9$               $y = \underline{\hspace{2cm}}$