Name : _____

MATH MONKS

Solving System of Equations by Substitution

Solve each system by substitution.

1. $-7x - 2y = -13$
   $x - 2y = 11$

2. $x - 2y = -13$
   $4x + 2y = 18$

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

4. $y = 9x - 9$
   $y = 9$

5. $-4y - 11x = 36$
   $20 = -10x - 10y$

6. $3x + 6y = -9$
   $2x + 9y = -26$

7. $x + 3y = -1$
   $-3x - 3y = -15$

8. $y = 6x - 11$
   $2x + 3y = 7$

9. $x = y - 4$
   $2x + 3y = 6$

10. $x = 5$
    $x + y = 12$

Name : _____

MATH MONKS

Solving System of Equations by Substitution

Answer.

1. $-7x - 2y = -13$
   $x - 2y = 11$

   (3 , 4)

2. $x - 2y = -13$
   $4x + 2y = 18$

   (1 , 7)

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

   (1 , 7)

4. $y = 9x - 9$
   $y = 9$

   (2 , 9)

5. $-4y - 11x = 36$
   $20 = -10x - 10y$

   (-4 , 2)

6. $3x + 6y = -9$
   $2x + 9y = -26$

   (5 , -4)

7. $x + 3y = -1$
   $-3x - 3y = -15$

   (7 , -2)

8. $y = 6x - 11$
   $2x + 3y = 7$

   (2 , 1)

9. $x = y - 4$
   $2x + 3y = 6$

   (-6 , -2)

10. $x = 5$
    $x + y = 12$

    (5 , 7)