

Systems of Equations - Substitution Method Practice Worksheet

Name: _____ Date: _____

Instructions: Solve each system of equations using the substitution method. Show all steps and write your final answer as an ordered pair (x, y).

1. $y = 2x$ $3x + y = 10$

.....

2. $y = x + 3$ $2x + y = 12$

.....

3. $x = 4y$ $2x - 3y = 10$

.....

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

.....

5. $y = -x + 6$ $2x + 3y = 14$

.....

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

.....

7. $3x - y = 5$ $y = 2x + 1$

.....

8. $x + 2y = 10$ $x = 3y - 5$

.....

9. $4x + y = 11$ $2x - 3y = -3$

.....

10. $5x - 2y = 4$ $y = 2x - 1$

.....

Answer Key

1. (2, 4)

2. (3, 6)

3. (8, 2)

4. (2, 5)

5. (4, 2)

6. (4, 1)

7. (6, 13)

8. (4, 3)

9. (4, 2)

10. (2, 3)