

Systems of Equations

Exercises

Directions: Solve each system of equations using the method indicated. Show your work and label the solution set.

1. $x + y = 5$ $x - y = 1$	2. $2x + 3y = 12$ $x - y = 4$
3. $x + 2y = 7$ $3x - y = 5$	4. $4x + 5y = 20$ $2x - 3y = 6$
5. $x + y = 10$ $2x - y = 5$	6. $3x + 4y = 12$ $x - 2y = 8$
7. $x + y = 6$ $2x + 2y = 12$	8. $x + y = 5$ $x + y = 6$
9. $x + y = 7$ $x - y = 1$	10. $x + y = 8$ $x - y = 2$

Use the substitution method to solve the system of equations.

11. $x + y = 10$
 $2x - y = 5$

12. $x + y = 6$
 $2x + 2y = 12$

