

Basic Practice 3

FOR USE WITH SECTION 7.3

Complete the solution for the system of equations by adding.

1. $x - y = 4$
 $x + y = 12$

_____ Add the equations.

_____ Divide both sides by 2.

_____ Simplify.

_____ Substitute the value for x in the second equation.

_____ Subtract 8 from both sides.

_____ Simplify.

_____ Write values for x and y as an ordered pair.
This is the solution.

Solve each system of equations by adding or subtracting. Use the steps above to help you.

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

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

4. $2x + 3y = 7$
 $-2x + 2y = -2$

5. $4x + 2y = 6$
 $-4x + 5y = 1$

6. $-x + 2y = 12$
 $x + 6y = 20$

7. $4x + y = 8$
 $5x - y = 28$

8. $x + y = 15$
 $x - y = 7$

9. $4x - 12y = 32$
 $4x + 5y = -2$

10. $2a + 3b = 12$
 $2a + 2b = 10$

11. $4c + 5d = 11$
 $15c - 5d = 65$

12. $3x + 3y = 3$
 $4x - 3y = 18$

13. $32x + 8y = 72$
 $7x - 8y = 6$