

Name:

Date:

Period:

Solve each system of equations algebraically for x and y. Show all of your work on a separate piece of paper.

1. $6y - 2x = 6$
 $3y - 4x = -6$

2. $2x - 2y = -6$
 $y = -2x$

3. $3a + 5b = 4$
 $4a + 3b = -2$

4. $5x - 3y = -4$
 $3x + 2y = 9$

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

6. $3x + 2y = 5$
 $2x - 3y = 12$

7. $3c - 3d = -12$
 $c + 2d = 2$

8. $2x + 3y = 13$
 $y = 2x - 1$

9. $4x - 3y = 5$
 $y = 2x + 1$

10. $3x - 2y = 9$
 $y = 3 - x$

11. $5x + 2y = 8$
 $y = 1 - x$

12. $3x - 5y = -11$
 $x = 2y - 4$

13. $2x + 4y = 7$
 $x + y = 3$

14. $8x - 7y = 21$
 $2x = 3y + 4$

15. $3x + y = 5$
 $x - y = -1$

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