

Name:

Date:

Period:

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

1. $7x - y = -10$
 $-7x + 5y = -6$

2. $4x + 9y = -19$
 $-4x - 7y = 13$

3. $2x + 3y = -12$
 $-x - 3y = 18$

4. $7x - 5y = -24$
 $-9x + 5y = 18$

5. $10x + 7y = 1$
 $-5x - 7y = 24$

6. $5x - 4y = -23$
 $-5x + 9y = 8$

7. $3x + 2y = -13$
 $3x + 4y = 1$

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

9. $-3x + 2y = 23$
 $5x + 2y = -17$

10. $4x - 7y = 5$
 $9x - 7y = -15$

11. $2x - y = 17$
 $x - y = 10$

12. $-x - 7y = 9$
 $-x + 7y = -19$

13. $3x + y = -14$
 $-2x - y = 9$

14. $x + 3y = 18$
 $-x - 4y = -25$

15. $x + 4y = -3$
 $x + 7y = -12$

16. $3x + y = -21$
 $x + y = -5$

17. $-x + 9y = -5$
 $x - 5y = 1$

18. $-7x - y = 13$
 $8x + y = -14$

19. $-2x + y = 10$
 $4x - y = -14$

20. $x + 7y = 24$
 $x - 9y = -24$