

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. $7x - 4y = -7$
 $y = -5x + 22$

2. $x = 2y + 15$
 $2x + 3y = 2$

3. $y = -6x + 15$
 $-7x - 2y = -10$

4. $5x + 2y = 21$
 $y = -x + 9$

5. $y = -7x + 4$
 $-6x + 5y = -21$

6. $y = 2x - 4$
 $7x + 3y = 27$

7. $y = 2x - 1$
 $3x + 2y = -9$

8. $5x + 3y = -1$
 $y = 4x - 6$

9. $2x + 5y = -1$
 $y = 3x + 10$

10. $4x + 5y = 11$
 $y = 3x - 13$

11. $x = 3y - 9$
 $5x - 2y = 7$

12. $y = x + 5$
 $3x + y = 25$

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

14. $y = -3x + 6$
 $4x + 2y = 8$

15. $y = -2x + 3$
 $4x + 4y = 8$

16. $y = 4x + 5$
 $2x + y = 17$

17. $y = 5x + 1$
 $4x + y = 10$

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

19. $y = 5x - 5$
 $-x + 3y = 13$

20. $x = -6y + 18$
 $2x - 3y = -24$