

Name: _____

Date: _____

Algebra I

Directions: Solve algebraically using the addition method and check.

1. $x + y = 6$
 $x - y = -8$

2. $6x + 4y = 10$
 $7x - 4y = 29$

3. $2x + 2y = 25$
 $-2x + 3y = 20$

4. $15x - 12y = 6$
 $-3x + 8y = 10$

5. $12x - 8y = -32$
 $4x - 3y = -10$

6. $2x - 7y = 21$
 $4x + 3y = 25$

7. $3x + 4y = 36$
 $2x + 7y = 50$

8. $-8x - 5y = -9$
 $6x + 3y = 3$

9. $3x + 2y = 58$
 $5x - 5y = -20$

10. $4x - 7y = 37$
 $6x + 3y = -12$

11. $6x - 7y = 17$
 $8x + 3y = -39$

12. $2x = 38 - 3y$
 $-3x + 6y = -36$

13. $-6x + 2y = 52$
 $4x + 3y = 13$

14. $5y = -28 - x$
 $11x + 2y = 10$

15. $12x = 3y - 42$
 $20x + 6y = 40$

16. $-7x - 6y = 21$
 $7x - 21 = 6y$

17. $4x + 3y = -3$
 $-16x - 12y = 12$

18. $2x + 3y = 27$
 $8x + 12y = -24$

19. $2x - 3y = -10$
 $4x - 6y = -20$

20. $6x - 2y = 10$
 $3x - y = 12$