

Name: _____

Period: _____ Date: _____

Solving Systems of Equations by Linear Combination

Section I. Solve the system of linear equations by using linear combination

1. $2x - y = 10$
 $x + y = -4$

2. $-3x + 2y = -10$
 $3x + 5y = -4$

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

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

5. $4x - 2y = 8$
 $2x - y = 4$

6. $4x - 2y = 24$
 $2x - y = 17$

7. $4x + 3y = 1$
 $x - 4y = -14$

8. $2x + 5y = 7$
 $-4x - 10y = 2$

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

10. $2x + 4y = 18$
 $3x - 6y = 3$

11. $3x + 4y = 20$
 $7x - 2y = -10$

12. $\frac{1}{4}x + 2y = 5$
 $2x - y = 6$

13. $8x + 3y = -27$
 $-6x + 9y = 9$

14. $4x + 3y = 1$
 $-2x + 9y = -4$

15. $2x + 3y = 5$
 $3x + 2y = 0$

16. $3x + 7y = -8$
 $5x + 8y = -6$