

Lesson #14-3-Understanding and Solving Systems of Equations-Elimination Method
(Reference: Lesson #63 in book)**Problem**

1. For each of the following systems of equations, please solve the system by Elimination Method and express the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)

1. $x - 2y = 6$

$x + 2y = 2$

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

$6x + 2y = -10$

3. $-8x + 4y = -16$

$8x + 2y = 4$

4. $6x - 4y = 24$

$8x + 2y = 10$

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

$-6x + 3y = 3$

6. $-6x - 2y = -12$

$12x + 4y = 20$

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

$12x + 4y = 60$

8. $2x + 3y = 18$

$-8x - 12y = 48$

9. $3x - 6y = 18$

$-2x + 4y = -12$

10. $4x + 2y = 8$

$3x - 4y = -49$

11. $4x - 6y = 12$

$-6x + 9y = -18$

12. $10x + 5y = -10$

$-6x - 2y = 10$

Problem

1. For each of the following systems of equations, please solve the system by Elimination Method and express the solution as a coordinate pair (SHOW ALL OF YOUR WORK.)

1. $x - 2y = 6$

$x + 3y = 2$

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

$6x + 2y = -10$

3. $-8x + 4y = -16$

$3x + 2y = 4$

4. $6x - 4y = 24$

$2x + 5y = 10$

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

$-6x + 2y = 3$

6. $-8x - 2y = -12$

$12x - 4y = 20$

7. $-4x + 3y = -10$

$12x + 4y = 60$

8. $2x - 3y = 18$

$-8x - 12y = 48$

9. $2x - 6y = 18$

$-2x + 4y = -12$

10. $4x + 3y = 8$

$2x - 4y = -10$

11. $4x - 6y = 12$

$-6x + 2y = -18$