Name: _____ Class: _____ Date: _____ ID: A

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. $10x + 5y = -10$

$-6x - 2y = 10$