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

Lesson #15-2-Understanding and Solving Systems of Equations-All Methods Review (Reference: Lesson #55, #59 & #63 in book)

Problem

1. **For each of the following systems of equations, please solve the system by graphing method and expression the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)**

   1. $8x + 4y = -8$

      $-9x - 3y = 15$

2. $12x + 4y = 36$

   $-3x - 6y = -24$

3. **For each of the following systems of equations, please solve the system by Substitution Method and expression the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)**

   3. $-4x - 8y = -24$

      $2x + 4y = -8$

4. $6x - 8y = 48$

   $-3x - 2y = -6$

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

   5. $27x - 9y = 36$

      $-9x + 3y = -12$

6. $-8x - 3y = 26$

   $-5x - 2y = 16$

7. **For each of the following systems of equations, please solve the system of equations by the method of your choice (GRAPHING, SUBSTITUTION or ELIMINATION) and express the solution as a coordinate point (SHOW ALL OF YOUR WORK.)**

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

      $4x - 6y = -18$

8. $12x - 6y = 36$

   $2x - y = 4$

9. $-2x + 4y = -12$

   $5x + 10y = 10$

10. $7x - 14y = 42$

    $2x - 4y = 12$