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

Lesson #2-2: Understanding and Solving Systems of Equations using Graphing and Substitution Method-Review (Reference: Lesson #15 & #21 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. $3x + y = 9$
      $x + 2y = 8$

2. $-3x + 3y = 9$
   $8x - 4y = -4$

3. $5x - 5y = -25$
   $-6x + 2y = -2$

4. **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.)**

   4. $y = 2x - 3$
      $y = 5x + 7$

5. $2x + y = -6$
   $3x + 2y = -10$

6. $2x - 3y = 8$
   $3x + 4y = -5$

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

   7. $2x + 3y = 18$
      $-4x - 6y = 24$

8. $12x - 6y = 12$
   $x = -2y + 11$

9. $-10x + 2y = 8$
   $-6x - 3y = 9$