Lesson #13- Understanding and Solving Systems of Equations: Substitution Method (Reference: Lesson #59 in book)

Problem

1. 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.)

1. $y = -2x + 5$
   $y = -x + 4$

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

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

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

5. $-4x + 2y = -10$
   $9x + 3y = 45$

6. $4x + 3y = 2$
   $2x + y = 6$

7. $8x - 4y = 16$
   $8x + 2y = 4$

8. $4x + 2y = -4$
   $6x + 2y = -10$

9. $-16x + 2y = -8$
   $24x - 3y = -12$

10. $6x - 2y = 8$
    $-12x + 4y = -16$