Lesson # 13-2-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 express the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)**

    1. $y = 4x - 3$
       $y = 3x - 5$

    2. $8x + y = 21$
       $y = -3x + 6$

    3. $-3x + y = -5$
       $6x + 3y = 45$

    4. $-9x + 3y = -6$
       $6x - 2y = -6$

    5. $-4x + 2y = -6$
       $12x - 6y = 18$

    6. $4x + 10y = 14$
       $2x + 2y = -2$

    7. $4x + 2y = 8$
       $3x - 4y = -49$

    8. $-10x + 2y = -4$
       $-3x + 6y = -12$

    9. $3x + 5y = 14$
       $2x - 4y = -20$

    10. $6x + 2y = -8$
        $6x + 3y = 0$

    11. $2x + 4y = 12$
        $4x + 8y = -32$

12. $-15x - 5y = -10$
$6x + 2y = 4$