

Lesson #13-3: 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. $y = 5x + 4$

$y = -2x - 3$

2. $-24x + 3y = -12$

$8x - y = -4$

3. $4x - 2y = 4$

$x + 2y = 11$

4. $-18x + 6y = -24$

$-6x + 2y = -8$

5. $-4x + 2y = -10$

$-6x - 2y = -20$

6. $-5x + y = -7$

$-6x - 4y = -24$

7. $2x + 6y = 2$

$-6x - 6y = -30$

8. $-9x + 9y = 12$

$-2x + 2y = 6$

9. $-14x - 4y = -26$

$x - 2y = 11$

10. $8x + 2y = 12$

$-16x - 4y = -24$