3.5 Elimination Method

Algebra 1 Name: _____ **CA #2**

Which method would be best for solving this system, Substitution or Elimination? Circle the part of the system that justifies your answer.

1. $7x - 9y = 5$
   $x - 3y = 4$

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

3. $5x - 5y = 15$
   $5x + 7y = 19$

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

Solve each system of equations using ELIMINATION.

5. $5x - 6y = 9$
   $-4x + 3y = 0$

6. $x + 4y = 10$
   $5x = 5y$

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

8. $3x - y = -3$
   $9x - 3y = -9$

9. $-3x + 5y = -9$
   $4x - 6y = 10$

10. $-4x + 4y = 16$
    $-3x + 6y = 9$

11. $12x + 6y = 14$
$6x + 3y = 9$

12. $2x + y = 2$
$x + 5y = 10$

13. $-2x + 4y = -2$
$3x + 2y = -13$

Answers to 3.5 CA #2

1. Substitution	2. Elimination	3. Elimination	4. Substitution	5. $(-3, -4)$
6. $(2, 2)$	7. $(1, 0)$	8. Infinite Solutions	9. $(-2, -3)$	10. $(-5, -1)$
11. No Solution	12. $(0,2)$	13. $(-3, -2)$		