

3.5 Elimination Method

Algebra 1

Name: _____

CA #1

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

1. $2x + 5y = -3$
 $3x - 5y = 9$

2. $6x + 5y = 13$
 $2y - 6x = -2$

3. $13x - 27y = -9$
 $x - y = -7$

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

Solve each system of equations using **ELIMINATION**.

5. $5x - y = -1$
 $10x + 2y = -18$

6. $4x + y = -15$
 $8x - 6y = -6$

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

8. $12x + 12y = 9$
 $6x + 6y = 6$

9. $3x + 4y = 0$
 $2y = x$

10. $2x - 4y = -16$
 $x + y = 7$

11. $5x + 2y = -3$
 $4x + 3y = -8$

12. $4x - y = -1$
 $8x - 2y = -2$

13. $-2x + 3y = -3$
 $x + y = -1$

Answers to 3.5 CA #1

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