

Solving Systems of Linear Equations using *Elimination*_part1

Name:

Period:

Key

Solve the following systems using the *elimination method*. Show all of your work.

1. $4x - 3y = 5$
 $-2x + 3y = -7$

$$(-1, -3)$$

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

$$(1, 1)$$

2. $-5x - 6y = 8$
 $5x + 2y = 4$

$$(2, -3)$$

5. $3x + 4y = -6$
 $2y = 3x + 6$

$$(-2, 0)$$

3. $6x - 4y = 14$
 $-3x + 4y = 1$

$$(5, 4)$$

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

$$(1, 2)$$

Solve the following system using the *substitution method*. Show all your work.

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

$$(1, 1)$$

9. $x = 16 - 4y$
 $3x + 4y = 8$

$$(-4, 5)$$

8. $x = 17 - 4y$
 $y = x - 2$

$$(5, 3)$$

10. $y = \frac{1}{3}x$
 $y = -x + 8$

$$(6, 2)$$