

Module: Solving Systems
Lesson 3: Elimination
Homework

Name: _____
Date: _____
Pd: _____

Use elimination to solve the following systems:

1. $x + y = 8$
 $x - y = 2$

2. $3x + y = 5$
 $2x + y = 10$

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

4. $4x = 7 - 5y$
 $8x = 9 - 5y$

5. $13a + 5b = -11$
 $13a + 11b = 7$

6. $5x + 2y = 6$
 $9x + 2y = 22$

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

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

9. $x + y = 6$
 $4x = y + 19$

10. If $x + y = 11$ and $x - y = 5$, what does xy equal?

11. The sum of two numbers is 16. Their difference is 20. Find the numbers.

12. The difference of two numbers is 5. Five times the lesser number is 9 greater than the greater number. Find the numbers.