

OBJECTIVE: To solve a system of equations using the linear combination method

Solve each system of equations by using the linear combination method. Write the solution as an ordered pair!

1. $3x + 2y = -6$
 $5x - 2y = 22$ **Solution:** _____

2. $-5x + 7y = 11$
 $5x - 3y = -19$ **Solution:** _____

3. $x - y = 3$
 $-2x + 2y = -6$ **Solution:** _____

4. $2y = 6x + 22$
 $5x - 2y = -16$ **Solution:** _____

5. $3x - 7y = 20$
 $-11x + 10y = 5$ **Solution:** _____

6. $12x + 3y = 16$
 $-36x - 9y = 32$ **Solution:** _____

Jumbled Answers

$(-6, -7)$

No Solution

Infinitely Many Solutions

$(2, -6)$

$(-5, -2)$