Math 8 Name_____

Solving Systems By Elimination

Score_____Per____

Solve the following systems of equations using elimination.

1. $-4x - 2y = -12$
$4x + 8y = -24$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

2. $3x + 2y = -4$
$-6x - 4y = -8$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

3. $x - y = 11$
$2x + y = 19$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

4. $5x + y = 9$
$10x - 7y = -18$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

Suppose you were solving the following system of equations:

$$-4x + 9y = 9$$
$$x - 3y = -6$$

5. If you wanted to eliminate x, what would you choose to make the coefficients of x? _____ and _____

6. How would you make those the coefficients of x?

Suppose you were solving the following system of equations:

$$7x + 8y = -9$$
$$-4x + 9y = -22$$

7. If you wanted to eliminate y, what would you choose to make the coefficients of y? _____ and _____

8. How would you make those the coefficients of y?

Solve the following systems of equations using elimination.

9. $3x - 2y = 2$
$5x - 5y = 10$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

10. $5x + 4y = -14$
$3x + 6y = 6$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

11. $2x + 8y = 6$
$-5x - 20y = -15$

Answer: (,)

Check 1st Equation:	Check 2nd equation:

12. $5x + 4y = -20$
$3x - 9y = -12$

Answer: (,)

Check 1st Equation:	Check 2nd equation: