

Solving Systems of Equations by Elimination

Review

The three possibilities for solutions of a system of equations is _____, _____ or _____.

If there is one solution, the answer will be _____.

The methods for solving we know so far are _____ and _____.

Solving Systems of Equations by Elimination

To use the elimination method, we will either _____ the two equations in order to _____ one of the variables.

*****Sometimes, we may need to rewrite one of the equations so the variables line up!**

Ex 1) $x + 2y = 7$
 $3x - 2y = -3$

Ex 2) $2x + 8y = -42$
 $8y = x - 63$

Ex 3) $-x + 3y = 5$
 $-x - 3y = 1$

Ex 4) $-3x = -2y$
 $-3x + 5y = 9$

Notice:

- We add the equations when coefficients are _____.
- We subtract the equations when coefficients are _____.