Solving a system of equations by graphing: Graph both lines, and the intersection is the solution.

Possible solutions:

 Cross at one point Exact same line twice Parallel lines so never cross



Ex.

Answer:

You try:

Solve the system using Substitution: Take one equation that is solved for x or y and place it in the other equation for that variable.

Ex.

Solution:

You try:

Solving the system using Elimination: Using multiplication, get the x or y values to equal the opposite numbers (like +6 and -6). Then add the equations together to eliminate one variable.

Ex. Method 1: Make x’s the same Method 2: Make the y’s the same

You try:

\*You can still get infinite or no solutions using Substitution or Elimination.