

System of Simultaneous Equations

Variable

Solve

Solution

Unique Solution

Infinitely Many Solutions

No Solution

Method

Representation

A symbol representing an unknown quantity that can take on different values.

A set of two or more equations with multiple variables, where the goal is to find the values of those variables that satisfy all the equations simultaneously.

A set of values for the variables that makes all the equations in a system true.

To find the values of the variables that satisfy all the equations in a system.

A system that has countless sets of values for the variables that make all the equations true.

A system that has exactly one set of values for the variables that makes all the equations true.

A specific strategy or technique used to solve a system of simultaneous equations (e.g., substitution, elimination).

A system that has no set of values for the variables that makes all the equations true.

A way of expressing the system of equations, such as using tables, graphs, or algebraic expressions.