



## Systems of Equations Glossary

Term	Definition
Equation	A mathematical statement showing equality between two expressions.
Inequation	A mathematical statement that shows an inequality between two expressions, using symbols like $>$ , $<$ , $\geq$ , or $\leq$ .
Variable	A letter or symbol that represents an unknown quantity in an equation.
System	A set of two or more equations that must be solved together to find common solutions for the variables.
Simultaneous	Equations that are solved together to find common solutions for the variables.
Linear	An equation or expression that can be graphed as a straight line. Linear equations involve variables raised to the first power only.
Non-linear	An equation or expression that cannot be graphed as a straight line. Non-linear equations involve variables raised to powers other than 1.
Substitution	A method for solving systems of equations by replacing one variable with an expression in terms of the other variable.
Elimination	A method for solving systems of equations by adding or subtracting the equations to eliminate one of the variables.
Intersection	The point where two or more lines or curves intersect, representing the common solution to a system of equations.