What does it mean to solve?
What is a solution?

For each type of equation or inequality, provide an example and then show and explain the solution using as many representations as you can.

An equation with 1 variable

An equation with 2 variables (a function or relation)

A system of equations in 2 variables (2 functions or relations)
An inequality in 1 variable (usually \( x \))

An Inequality in 2 variables (usually \( x \) and \( y \))

A system of inequalities in 2 variables