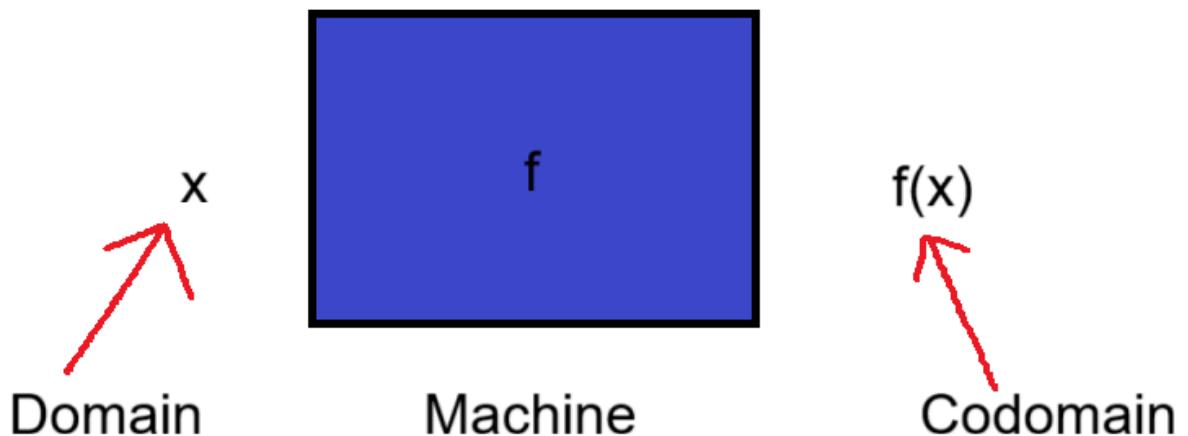


- Function
  - Equation
  - Table

# Function

Function is machine and more likely the algorithms concept in programming , Function is set of rules to give output from given input.

formally :  $f:X \rightarrow Y$



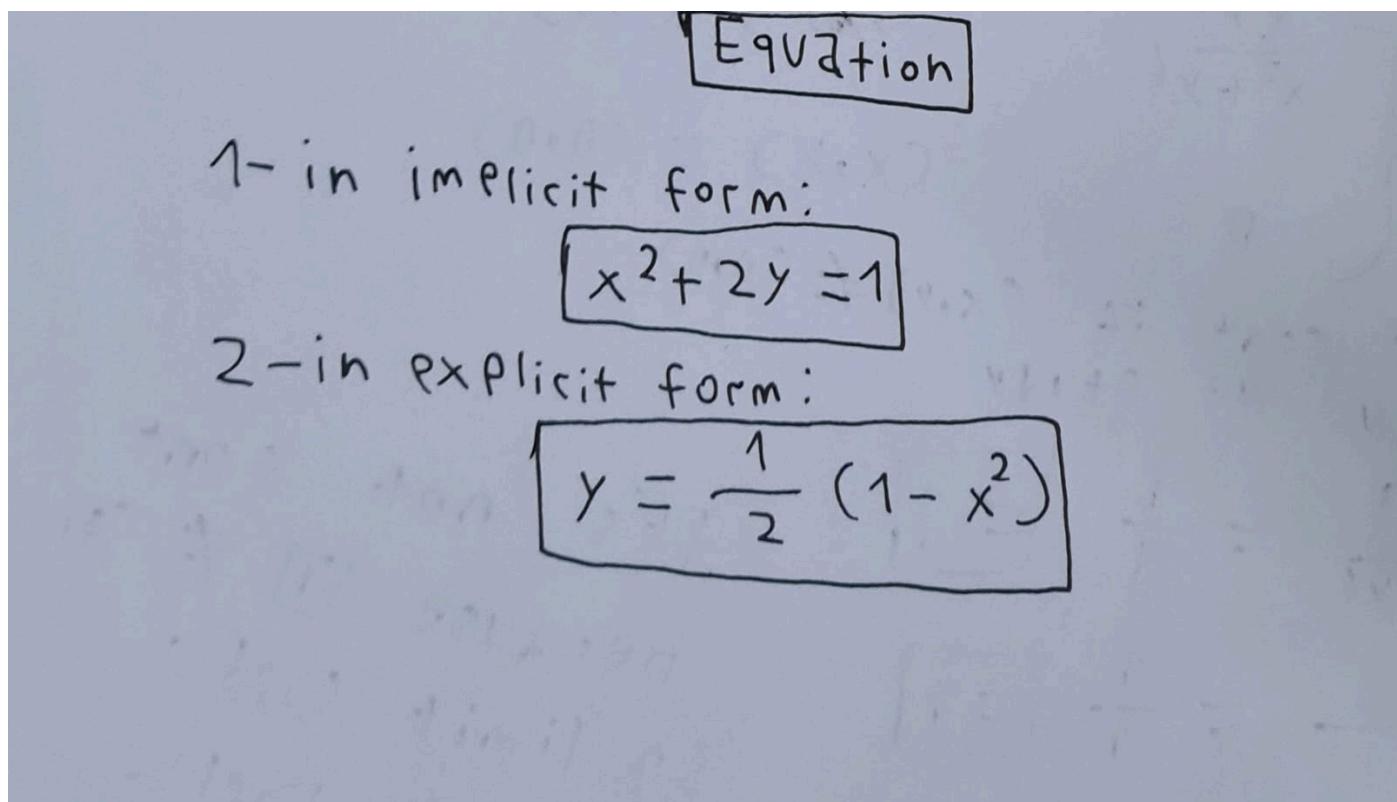
Ways to representation of functions :

- Equation
- Table
- Word
- Graph

# Equation

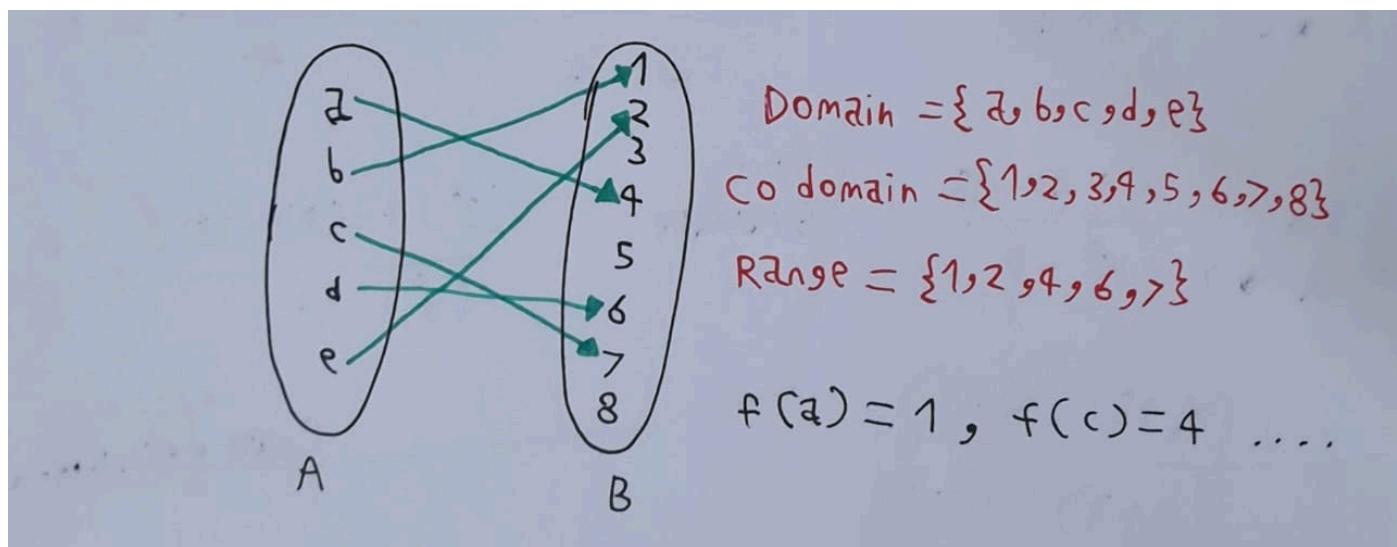
There are two ways of equation representation :

1. Implicit form
2. Explicit form



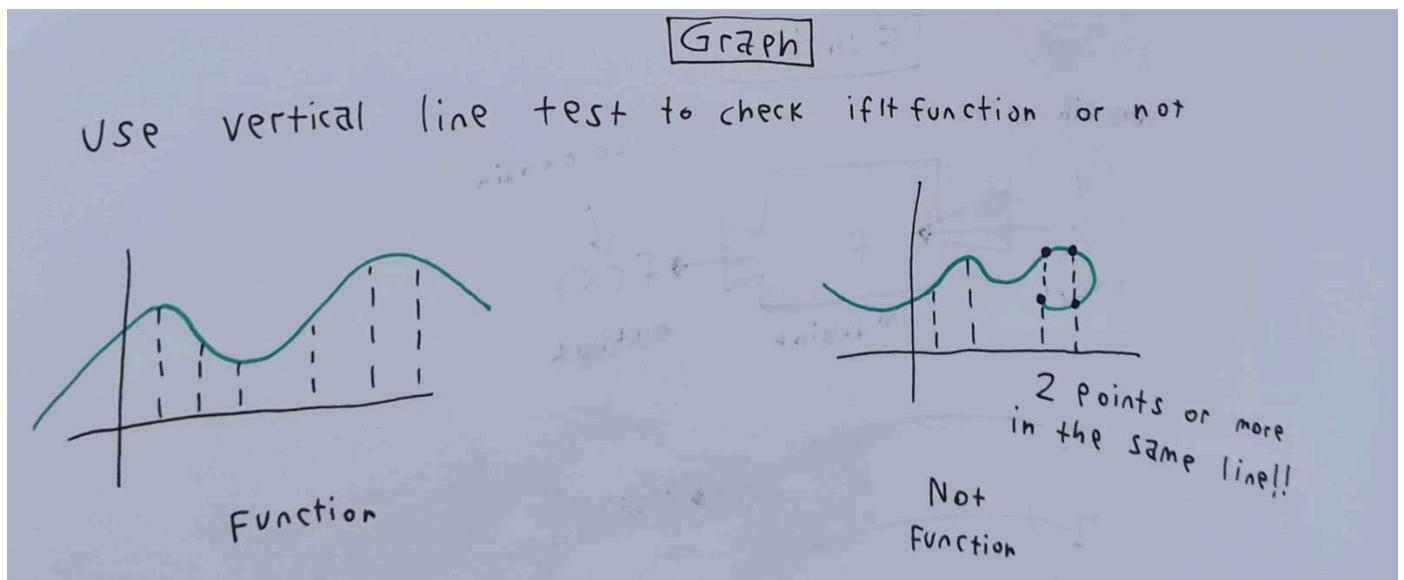
## Table

The most famous way to represent a function is the table



Note : It's not allowed for variables in domain to have more than one equal , But It's correct thing for codomains

Example : Any person in the life have one mother but not more , But mothers maybe have more than one child.



Use vertical lines test to check it's function or not.

If there is 2 points or more in same line it's not a function.