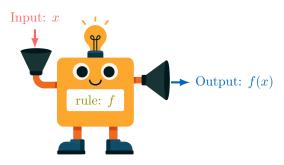
A DEFINITIONS

Definition Function

From an input value x, a function f produces an output value f(x). f(x) is read as "f of x".



Ex: For f(x) = 2x - 1 (the function that doubles the input and subtracts 1), find f(5).

Answer:
$$f(5) = 2 \times (5) - 1$$
 (substituting x by (5))
= 9

B TABLES OF VALUES

Definition Table of Values

The table of values for a function f provides a listing of pairs (x, f(x)), where x is an input value and f(x) is the corresponding output value produced by the function f.

Ex: For $f(x) = x^2$, complete the following table:

x	-2	-1	0	1	2
f(x)					

Answer:

- $f(-2) = (-2)^2$ (substituting x by (-2)) = 4
- $f(-1) = (-1)^2$ (substituting x by (-1)) = 1
- $f(0) = (0)^2$ (substituting x by (0)) = 0
- $f(1) = (1)^2$ (substituting x by (1)) = 1
- $f(2) = (2)^2$ (substituting x by (2)) = 4

So the completed table is:

x	-2	-1	0	1	2
f(x)	4	1	0	1	4