



# Function notation

$$f(x) = 2x + 1$$

$$f(3) = 2 \cdot 3 + 1 = 7 \quad \text{input 3} \rightarrow \text{output 7}$$

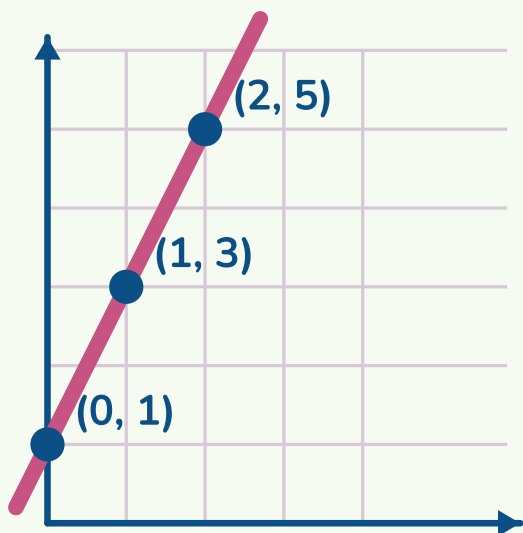
Equation

$$f(x) = 2x + 1$$

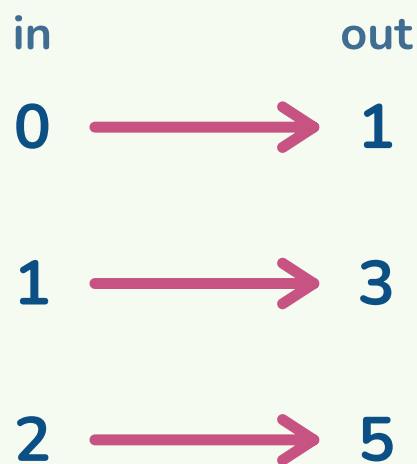
Table

| x | f(x) |
|---|------|
| 0 | 1    |
| 1 | 3    |
| 2 | 5    |

Graph



Mapping



$f(x)$  is read “f of x.” x is the input and  $f(x)$  is the output — and the equation, the table, the graph and the mapping are all the same function, just written four ways.