

old: $y = 3x + 4$

Function Notation $f(x)$ [we use $f(x)$ instead of y]

New:
 $f(x) = 3x + 4$

Find $f(2)$ = just replace "x" with 2

ex. $f(x) = 3x + 4$

$f(x) = 10$, solve for x

$f(2) = 3(2) + 4$

$f(2) = 6 + 4$

$f(2) = 10$

↑ input

output

$f(x) = 3x + 4$

$10 = 3x + 4$
 $-4 \quad -4$

$\frac{6}{3} = \frac{3x}{3}$

$2 = x$

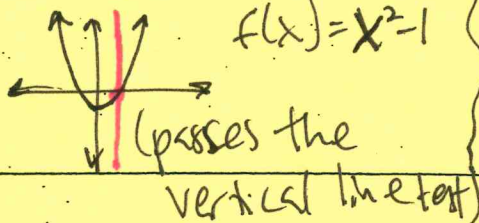
Function

Relation

Function has 1 and only 1 output for each input

Relation has 2 or more outputs for an input

input x	-2	-1	0	1	2
output y	3	0	-1	0	3



input x	0	1	1	2	2	3	3
output y	0	1	-1	4	-4	9	-9

