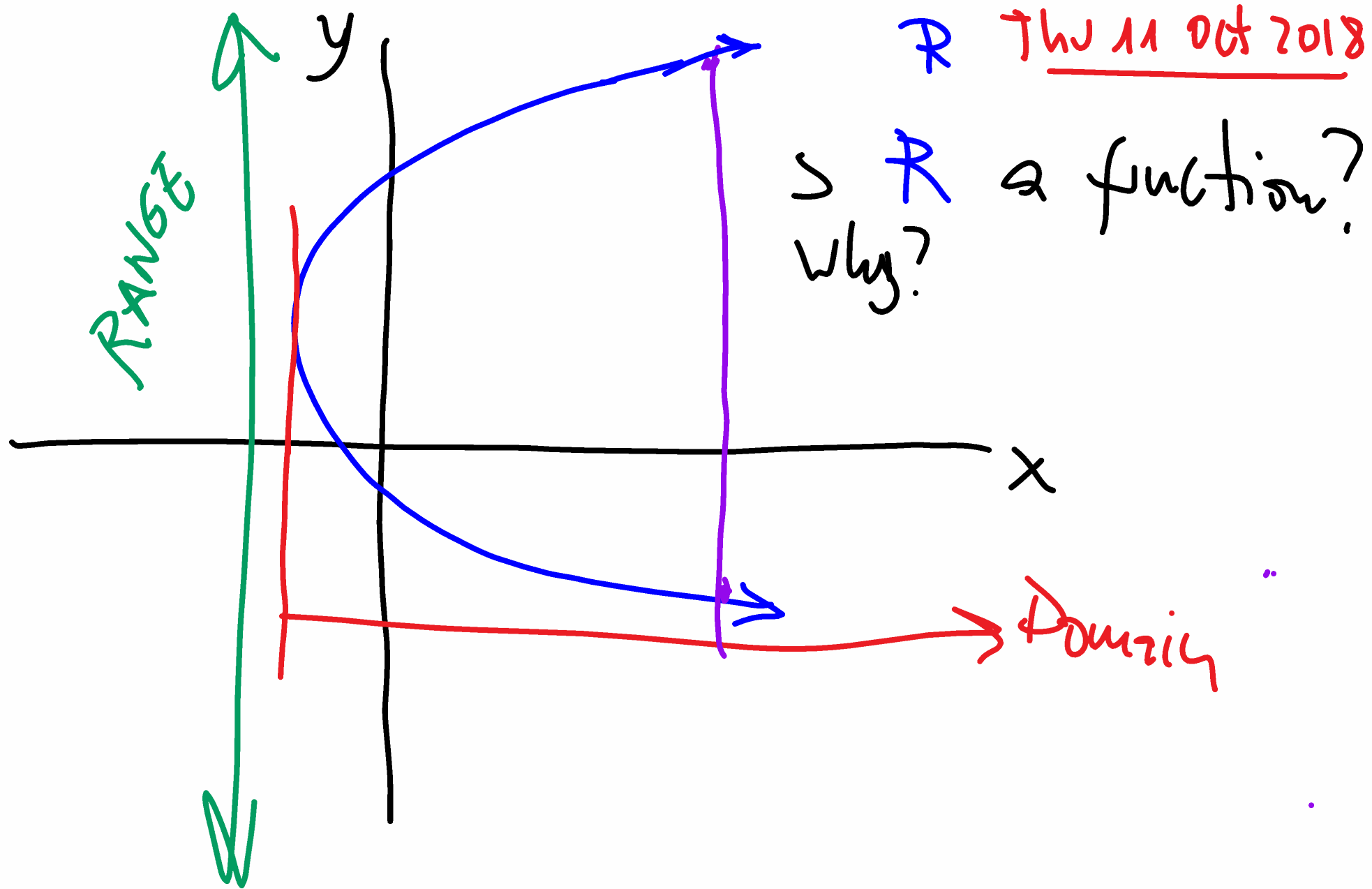
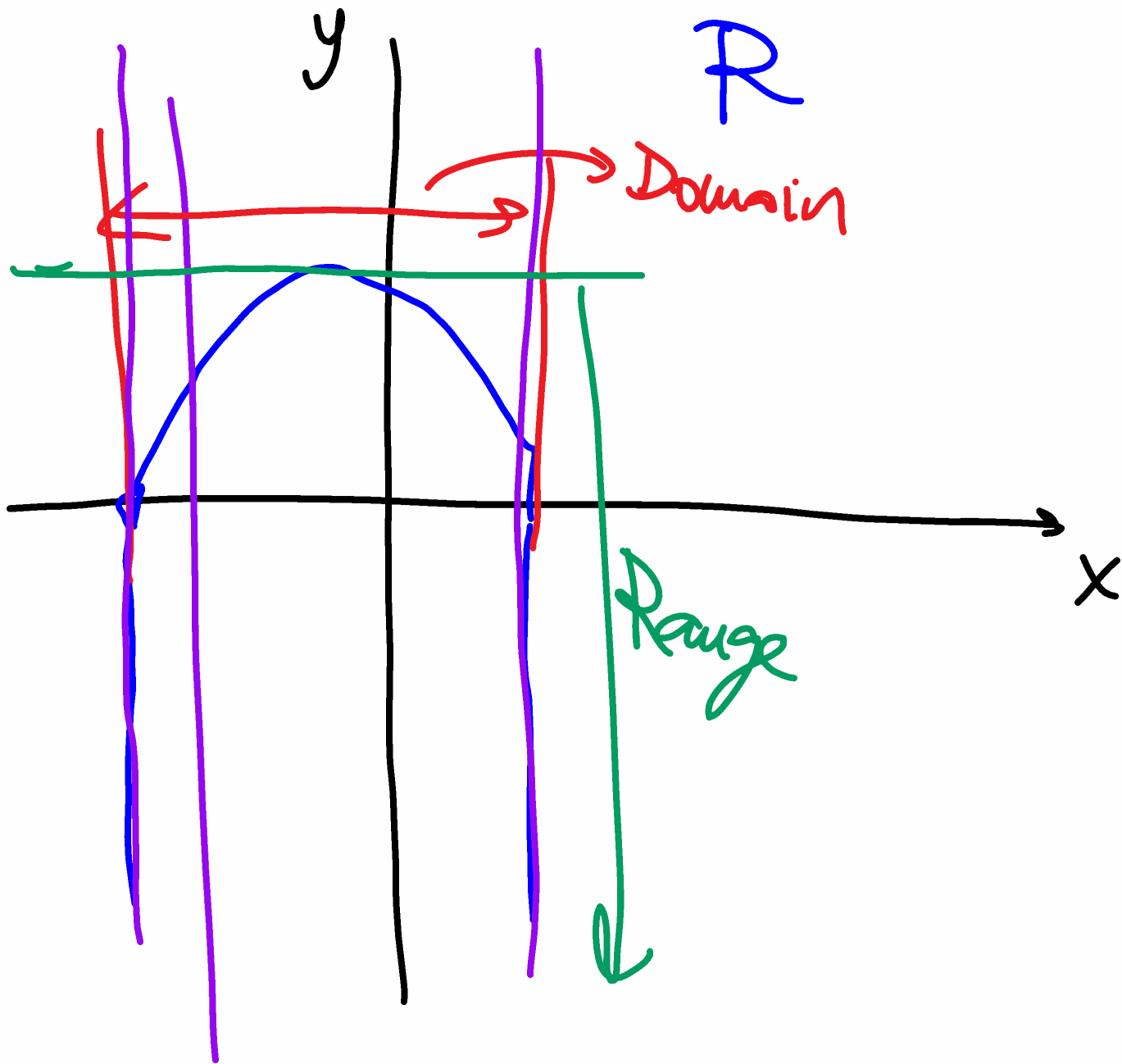
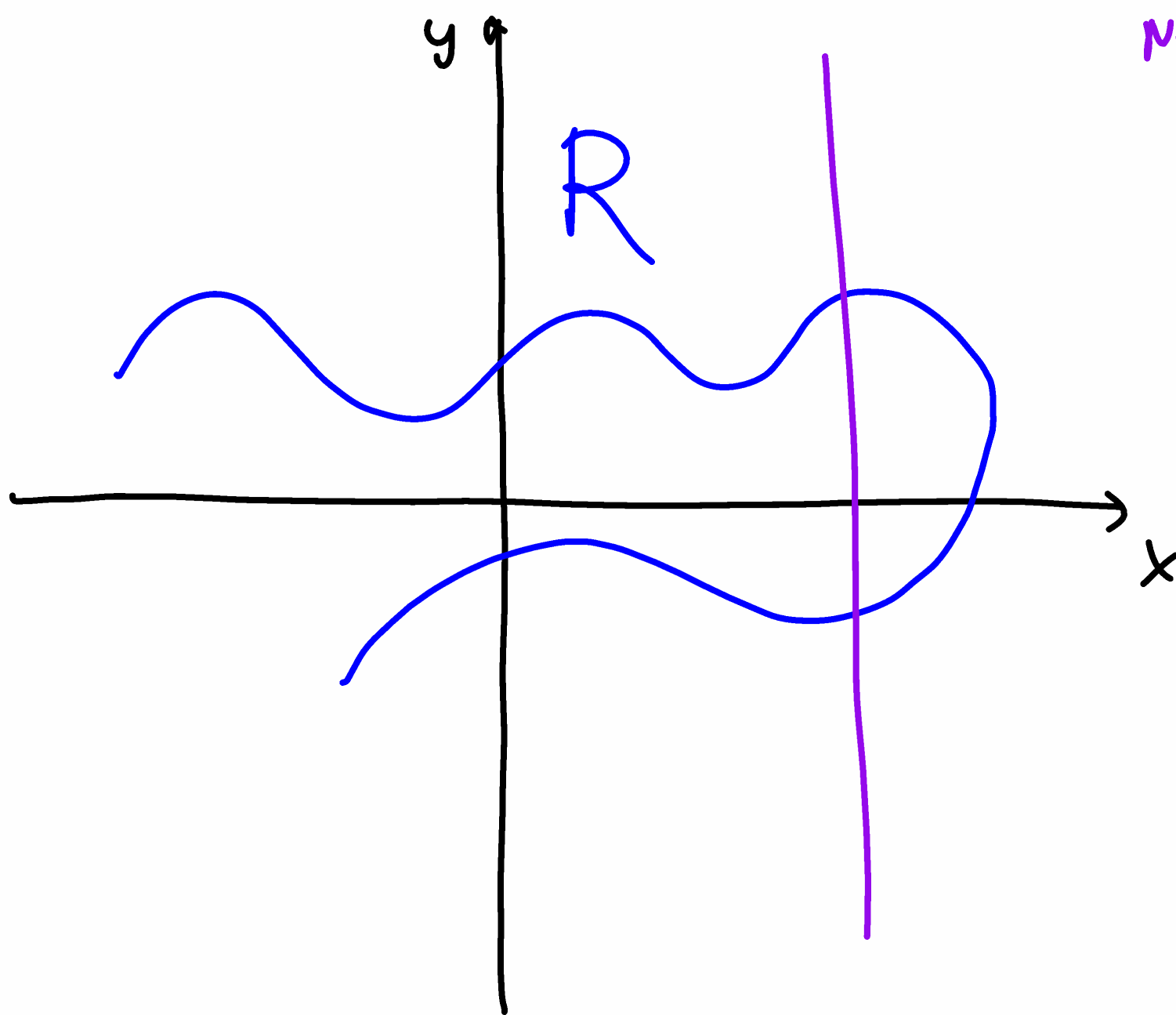


Quiz
(AFL)







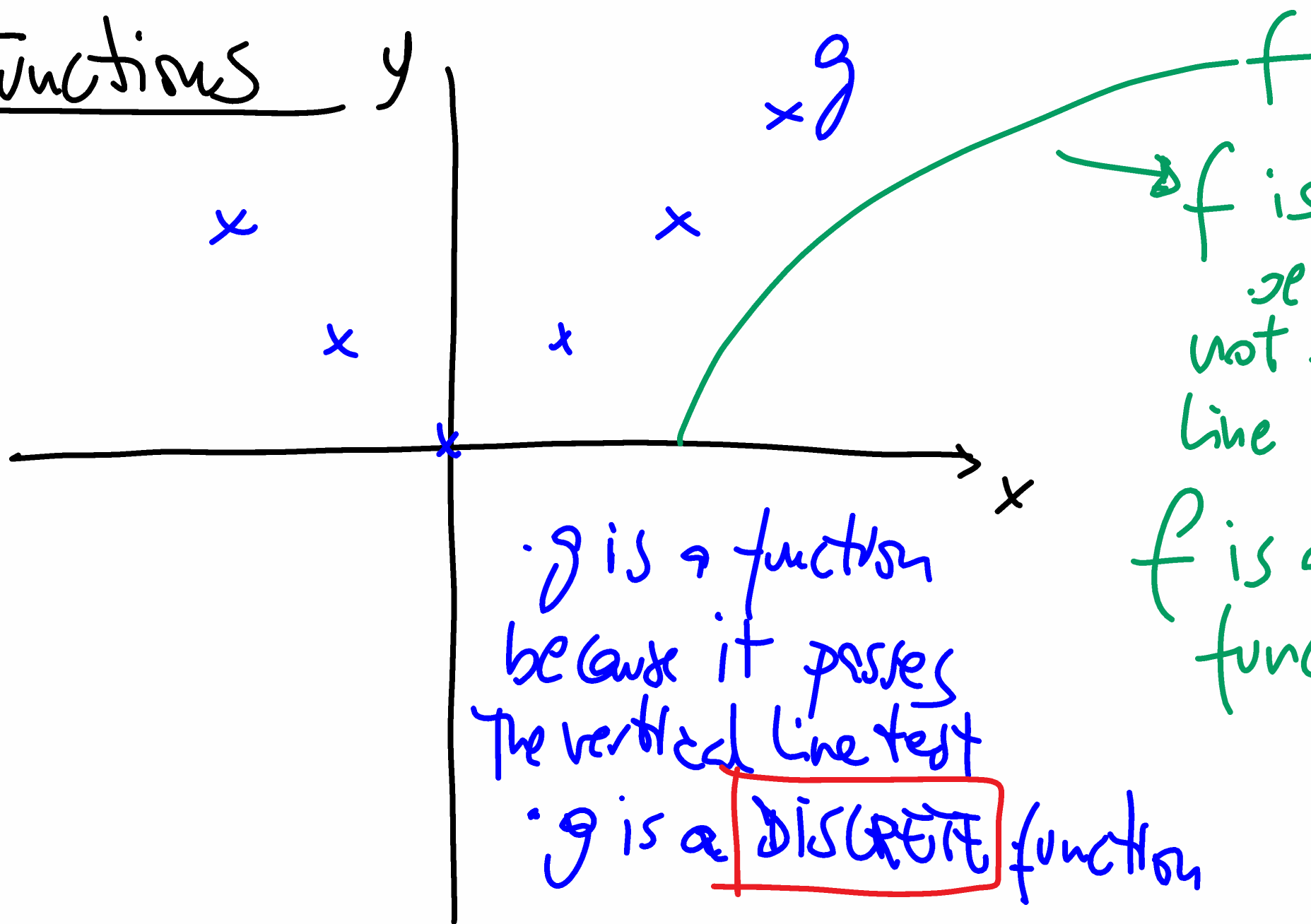
NOT A FUNCTION
because

- Some of points are vertically aligned

- the relation crosses more than one the same vertical line

- Fails the vertical line test

Functions



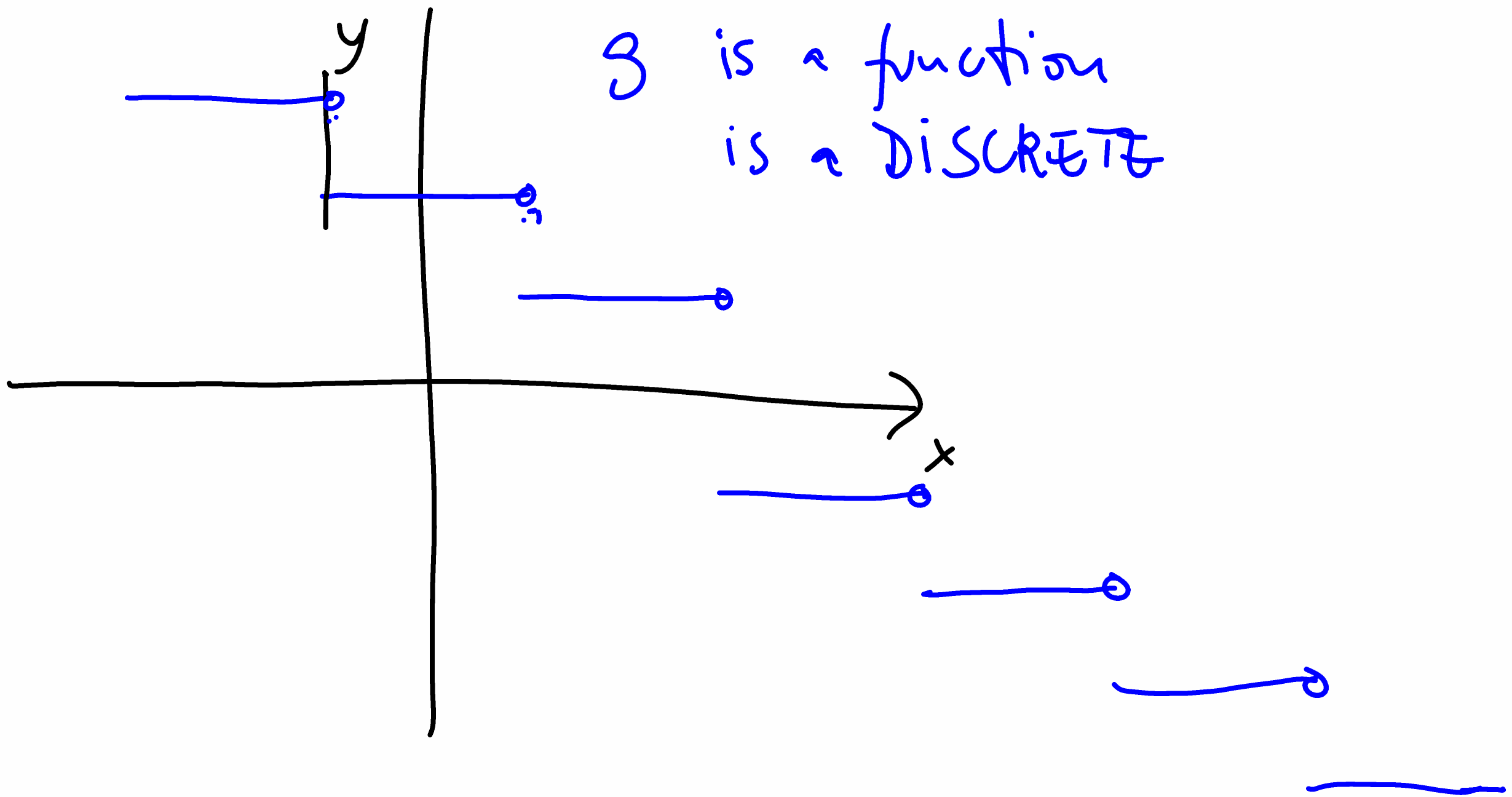
→ f is a function
because it does
not fail the vertical
line test.

f is a **CONTINUOUS**
function

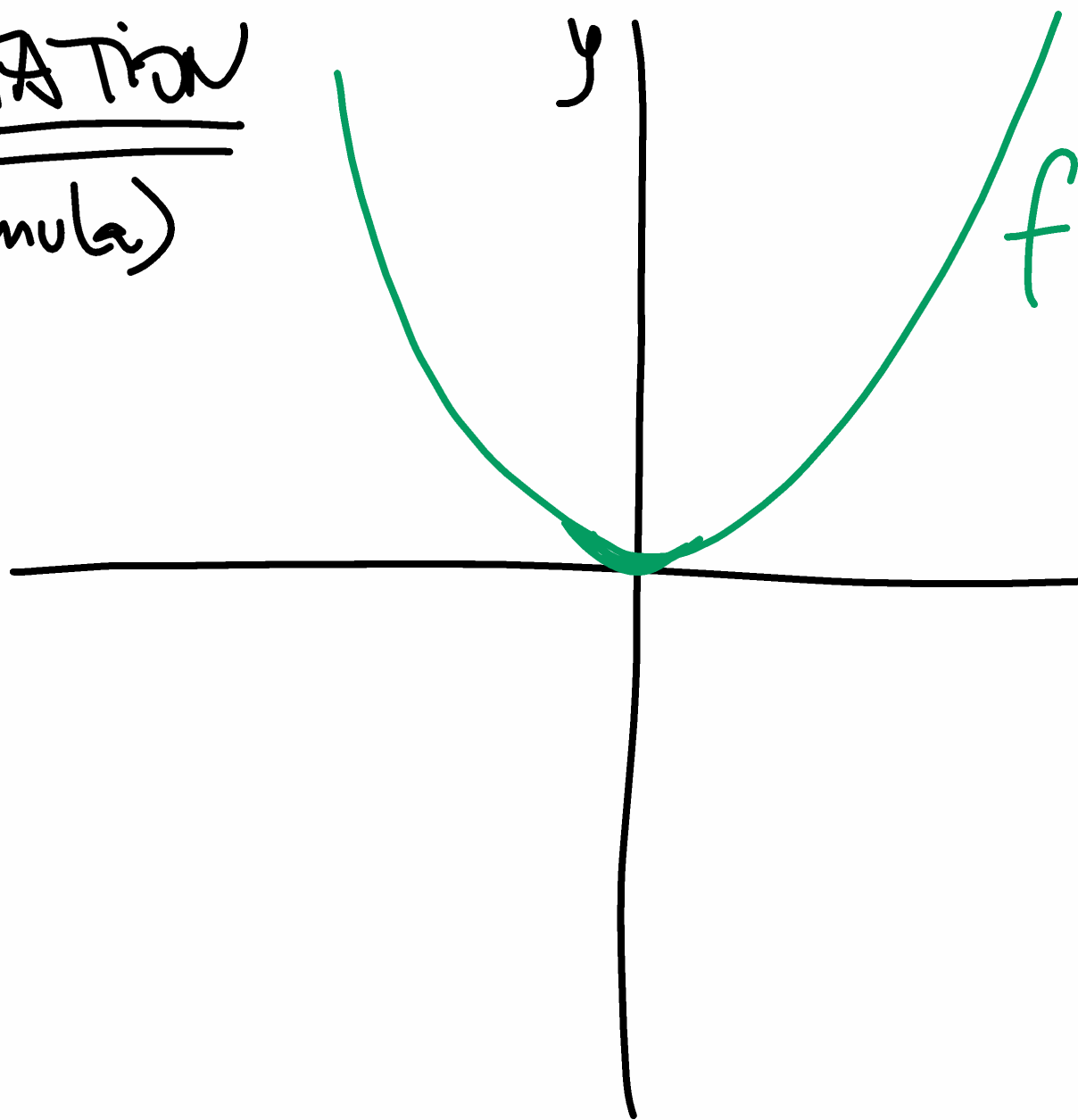
g is a function
because it passes
the vertical line test

g is a **DISCRETE** function

g is a function
is a DISCRETE



NOTATION
(Formula)



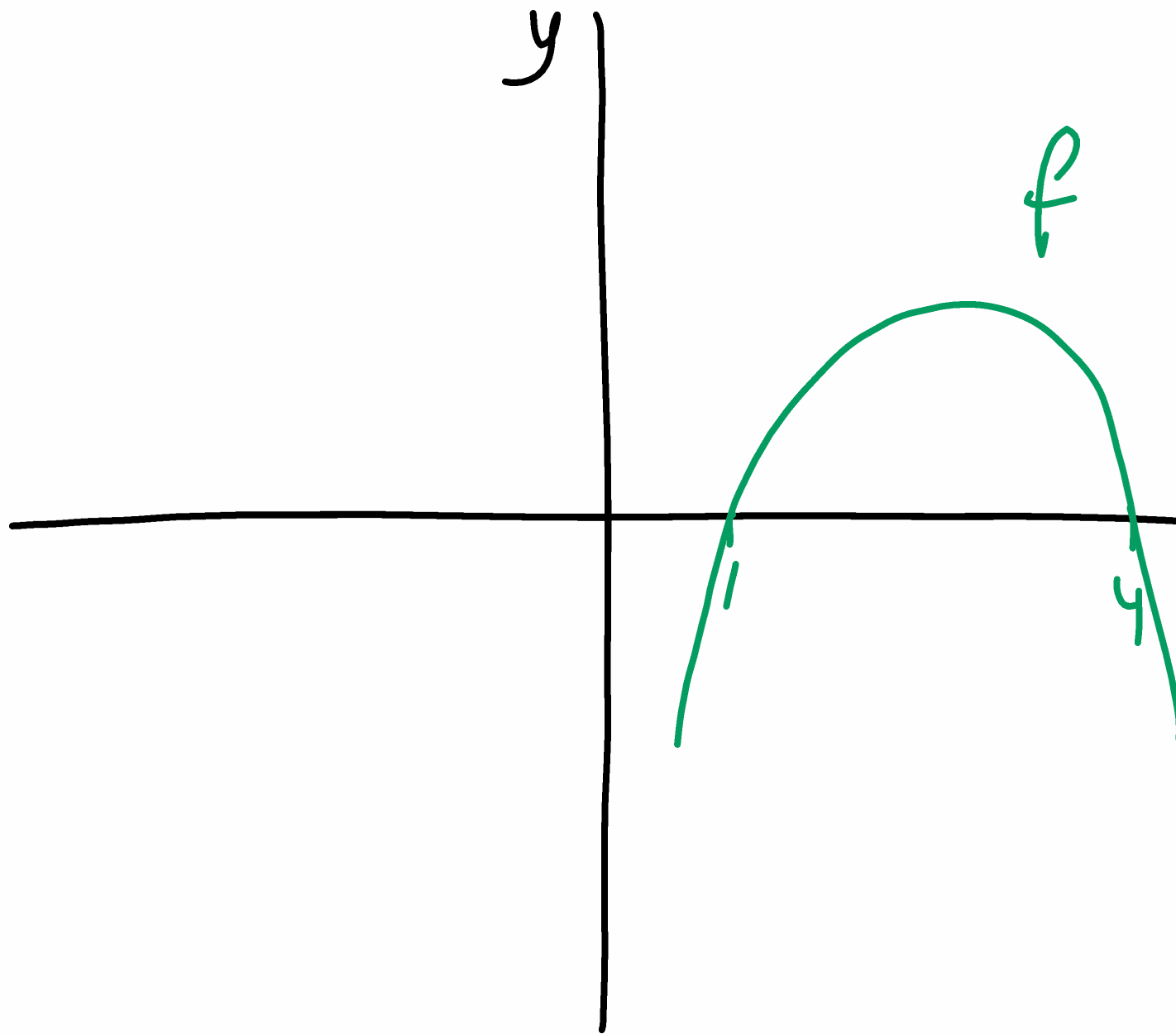
(GEOGEBRA)

(vertical) height: values within Range

$$y = f(x) = x^2$$

Values of domain
argument

x	y
0	0
1	1
2	4
-1	1
-2	4



$$f(x) = -(x-1)(x-4)$$

What are
Domain &
Range of f ?

Homework