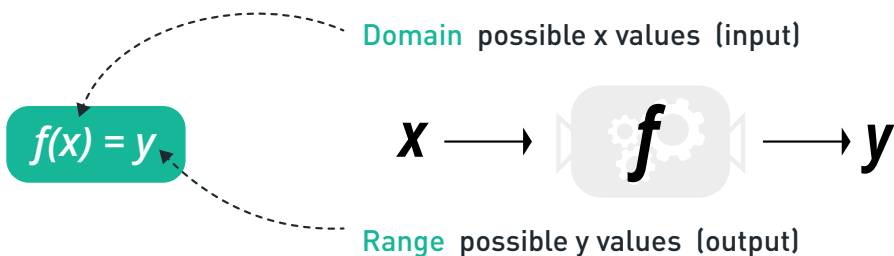


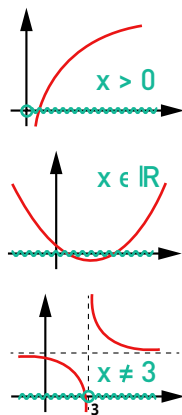
# DOMAIN AND RANGE



## HOW TO FIND THE DOMAIN?

Check:

- ▶ division by 0  $\longrightarrow \frac{1}{x} \neq 0$
- ▶ negative under the squareroot  $\longrightarrow \sqrt{x} \geq 0$
- ▶ negative or 0 in the logarithm  $\longrightarrow \log(x) > 0$



## HOW TO FIND THE RANGE?

What values does  $f(x)$  take?

- ▶ in case of a well-known function  $\longrightarrow$  sketch  $f(x)$
- ▶ GDC  $\longrightarrow$  graph  $f(x)$
- ▶ find min/max values of  $f(x)$

