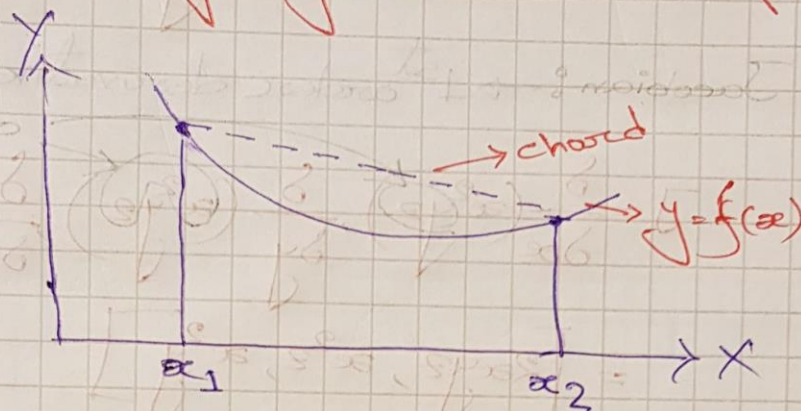


Convex function:

let's say, $y = f(x)$ is a convex func.



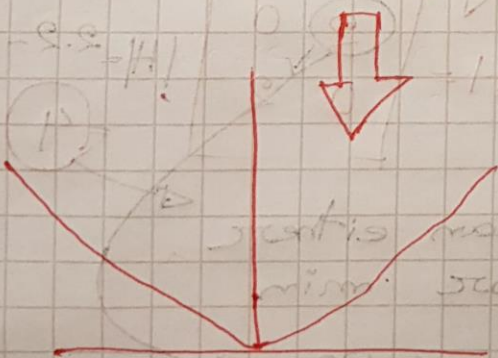
① take 2 point: x_1, x_2

② joined them: called chord

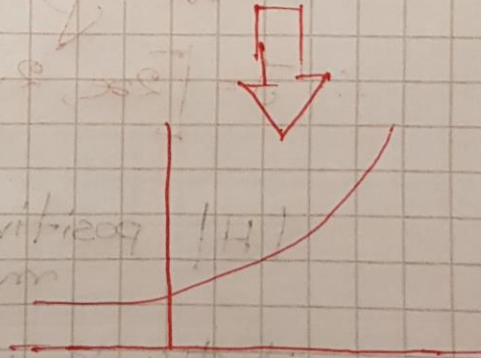
③ func. is below the chord.

Example of convex func:

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



$$f(x) = e^x$$



even this is convex func.