

# Exercises

E24.1 [1TT] Suppose that  $f : \mathbb{R} \rightarrow \mathbb{R}$  is a function such that  $f > 0$  and  $\log(f(x))$  is convex: can it be deduced that  $f$  is convex? *If it is true, prove it. If it is not true, produce an example.*