

# Exercises

E14.34 [18B] Topics: minimum. Prerequisites: [188]. Let  $C \subseteq \mathbb{R}^n$  be a convex set, and  $f : C \rightarrow \mathbb{R}$  a convex function. Show that  $z \in C^\circ$  is a minimum if and only if  $0 \in \partial f(z)$ .