

Exercises

4.52 [19G] Prerequisites: [186]. Let $f : \mathbb{R}^n \rightarrow \mathbb{R}$ be a strictly convex function and $r \in \mathbb{R}$ then $A = \{x, f(x) \leq r\}$ is a closed and strictly convex (possibly empty) set.

Solution 1. [19H]