

# MATHEMATICAL THEOREMS

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## 1. CONVEX FUNCTIONS

## 1.1. Definitions and basic properties.

**Definition 1.1.1:** Let  $S \subseteq \mathbb{R}^n$ . A function  $f : S \rightarrow \mathbb{R} \cup \{\infty\}$

[1]

## REFERENCES

1. Boyd, S., Vandenberghe, L.: Convex Optimization. Cambridge University Press (2004)

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