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## 1 Functions

You need to pick a fresh name for your symbol      Choose a different set of notation options (variant,lang,arity)      You need to pick a fresh name for your symbol      Choose a different set of notation options (variant,lang,arity)  
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**Definition 1.1** A **function**  $f: A \rightarrow B$  is a left-total, right-unique relation in  $A, B$

## 2 Real Numbers

**Definition 2.1** We denote the set of **real numbers** we all know and love with  $\mathbb{R}$ .

**Definition 2.2** The absolute value  $|r|$  of a real number  $r$ .