

## REAL ADDITIVE INVERSES

## Why

What is the additive inverse for reals.<sup>1</sup>

## Main result

**Proposition 1.** Let  $R \in \mathbb{R}$ . The set  $\{-r \mid r \in R \text{ and } s \notin R\}$  is an additive inverse of R in  $\mathbb{R}$ .

## **Notation**

We denote the additive inverse of  $R \in \mathbf{R}$  by -R.

<sup>&</sup>lt;sup>1</sup>Future editions will expand.

