



## REAL ADDITIVE INVERSES

### Why

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

### Main Result

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

### Notation

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

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<sup>1</sup>Future editions will expand.



