



## REAL SQUARES

### Why

We extend the notion of a square number to the reals.

### Definition

A number  $a \in \mathbf{R}$  is *square* if there exists  $b \in \mathbf{R}$  so that  $b^2 = a$ .<sup>1</sup>

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<sup>1</sup>Future editions may collapse this sheet with Real Square Roots.



