

$$\begin{array}{ll} (+1) \times (+1) = +1 & (-1) \times (-1) = +1 \\ (\pm 1) \times (\pm 1) = +1 & (\mp 1) \times (\mp 1) = +1 \end{array}$$

So unity has four square roots:

$$\sqrt{1} = +1 \text{ or } -1 \text{ or } \pm 1 \text{ or } \mp 1$$

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