



is

the number (non-negative if b is even)
whose b^{th} power is a . $(\sqrt[b]{a})^b = a$.

Ex: $\sqrt{25} = 5$ since $5^2 = 25$, and $5 \geq 0$.
 $\sqrt[11]{25}$

Ex: $\sqrt[3]{-27} = -3$ since $(-3)^3 = -27$.