LAWS OF RADICALS

TEXAN GLOBAL SCHOOL
Global Online Learning

1. $\sqrt[n]{a} = a^{\frac{1}{n}}$

2. $\sqrt[n]{a^m} = a^{\frac{m}{n}}$

3. $\sqrt[n]{ab} = \sqrt[n]{a} \cdot \sqrt[n]{b} = a^{\frac{1}{n}} \cdot b^{\frac{1}{n}} = (ab)^{\frac{1}{n}}$

4. $\sqrt[n]{\frac{a}{b}} = \frac{\sqrt[n]{a}}{\sqrt[n]{b}} = \frac{a^{\frac{1}{n}}}{b^{\frac{1}{n}}} = \left(\frac{a}{b}\right)^{\frac{1}{n}}$

5. $\sqrt[n]{\sqrt[m]{a}} = \sqrt[n \cdot m]{a}$

YouTube TikTok

www.texanglobalschool.com