

POTENCE IN KORENI

$$a^m \cdot a^n = a^{m+n}$$

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

$$(a^m)^n = a^{mn}$$

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

$$a^n \cdot b^n = (ab)^n$$

$$\sqrt[n]{a^n} = (\sqrt[n]{a})^n = a$$

$$a^m : a^n = \frac{a^m}{a^n} = a^{m-n}$$

$$\sqrt[n]{ab} = \sqrt[n]{a} \cdot \sqrt[n]{b}$$

$$a^n : b^n = \frac{a^n}{b^n} = \left(\frac{a}{b}\right)^n$$

$$\sqrt[n]{\frac{a}{b}} = \frac{\sqrt[n]{a}}{\sqrt[n]{b}}$$

$$a^0 = 1$$

$$\sqrt[m]{\sqrt[n]{a}} = \sqrt[mn]{a}$$

$$a^{-1} = \frac{1}{a}$$

$$\sqrt[n]{a^{kn+r}} = a^k \cdot \sqrt[n]{a^r}$$

$$a^{-n} = \frac{1}{a^n}$$