EXPONENTS

$$a^m = \underbrace{a.a.a.a\ldots\ldots\ldots}_{m \text{ TIMES}}$$

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

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

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

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