

$$a^n = \underbrace{a \times a \times a \times \dots \times a}_{n \text{ faktor / factors}}$$

INDEKS INDICES

$$a^0 = 1, a \neq 0$$

$$a^{-n} = \frac{1}{a^n}, a \neq 0$$

$$a^{\frac{1}{n}} = \sqrt[n]{a}, a \neq 0$$

$$a^{\frac{m}{n}} = (a^m)^{\frac{1}{n}} = (a^{\frac{1}{n}})^m$$

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

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

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

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

$$(a^m \times b^n)^q = a^{mq} \times b^{nq}$$

$$\left(\frac{a^m}{b^n}\right)^q = \frac{a^{mq}}{b^{nq}}$$