

Свойства степеней

$$a^0 = 1$$

$$a^1 = a$$

$$a^x \cdot a^y = a^{x+y}$$

$$\frac{a^x}{a^y} = a^{x-y}$$

$$(a^x)^y = a^{xy}$$

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

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

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

$$\left(\frac{a}{b}\right)^{-x} = \left(\frac{b}{a}\right)^x$$

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