

LOGARITMOS

Para $x > 0, a > 0, a \neq 1$, $\log_a x = y \Leftrightarrow a^y = x$

$$\log_a a = 1$$

$$\log_a x^n = n \log_a x$$

$$\log_a 1 = 0$$

$$\log_a x \cdot y = \log_a x + \log_a y$$

$$\log_a x = \frac{\log_b x}{\log_b a}$$

$$\log_a \frac{x}{y} = \log_a x - \log_a y$$