

A logaritmus azonosságai

I. $a^{\log_a b} = b$

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

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

IV. $\log_a x^k = k \cdot \log_a x$

V. $\log_a b = \frac{1}{\log_b a}$

VI. $\log_a b = \frac{\log_c b}{\log_c a}$