

Properties of Logarithms	Formula
Product	$\log_a(xy) = \log_a x + \log_a y$
Quotient	$\log_a\left(\frac{x}{y}\right) = \log_a x - \log_a y$
Log of Power	$\log_a(x^n) = n\log_a(x)$
Log of e	$\log_a e = 1$
Log of 1	$\log 1 = 0$
Log of Reciprocal	$\log_a\left(\frac{1}{x}\right) = -\log_a x$
Log of Square Root	$\log_a \sqrt{x} = \frac{1}{2} \log_a x$

Basic Properties Of Logarithm

Y Pai



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