

# Math Logarithms Menu



This menu provides a direct way to apply the logarithmic functions to the displayed number.

<b>[ β ]</b>	Stores the “base” value to use in the $\text{LOG}_\beta$ and $\text{ALOG}_\beta$ .
<b>[ LOG<sub>β</sub> ]</b>	Calculates the base “β” logarithm of the displayed number.
<b>[ ALOG<sub>β</sub> ]</b>	Calculates the anti-Logarithm base “β” of the displayed number.
<b>[ LN ]</b>	Calculates the Natural logarithm.
<b>[ EXP ]</b>	Calculates the Natural Anti-logarithm or exponential.
<b>[ LOG<sub>10</sub> ]</b>	Calculates the Common logarithm (base 10).
<b>[ ALOG<sub>10</sub> ]</b>	Calculates the Common Antilogarithm ( $10^x$ ).
<b>[ LOG<sub>2</sub> ]</b>	Calculates the Common logarithm (base 2).
<b>[ ALOG<sub>2</sub> ]</b>	Calculates the Common Antilogarithm (base 2).
<b>[ LOG<sub>3</sub> ]</b>	Calculates the Common logarithm (base 3).
<b>[ ALOG<sub>3</sub> ]</b>	Calculates the Common Antilogarithm (base 3).

The following examples assumes 4 decimals display setting.

Calculation	Keystrokes	Display
Logarithm base 8 of 645.36	8 [ β ] 645.36 [ LOG <sub>β</sub> ]	3.1113
Antilogarithm base 16 of 2.5	16 [ β ] 2.5 [ ALOG <sub>β</sub> ]	1,024.0000

Logarithm base 10 of 2.5	2.5 [ <b>LOG<sub>10</sub></b> ]	<b>0.3979</b>
Antilogarithm base 10 of 3.56	3.56 [ <b>ALOG<sub>10</sub></b> ]	<b>3,630.7805</b>
Logarithm base 2 of 68.0	68 [ <b>LOG<sub>2</sub></b> ]	<b>6.0875</b>
Antilogarithm base 2 of 4.6	4.6 [ <b>ALOG<sub>2</sub></b> ]	<b>24.2515</b>
Logarithm base 3 of 68.0	68 [ <b>LOG<sub>3</sub></b> ]	<b>3.8408</b>
Antilogarithm base 3 of 4.6	4.6 [ <b>ALOG<sub>3</sub></b> ]	<b>156.5877</b>
Natural Logarithm of 68.0	68 [ <b>LN</b> ]	<b>4.2195</b>
Exponential of 4.6	4.6 [ <b>EXP</b> ]	<b>99.4843</b>