

What is a LOG ?



Why do we need it? How does it help us? How do we use it?

Section #1 Exploring Inverse Equations

Section #2 Writing an exponential equation as a logarithmic equation

Section #3 Evaluating Logs

(a) $\log_{10} 100$

(b) $\log_2 8$

(c) $\log_6 36$

(d) $\log_3 81$

(e) $\log_2 \frac{1}{4}$

(f) $\log_{\frac{1}{2}} 32$

(g) $\log_5 125$

(h) $\log_6 \sqrt{6}$

(i) $\log_2 \sqrt[5]{64}$

(j) $\log_5 1$

(k) $\log_{16} \frac{1}{4}$

(l) $\log_2 (\sqrt[3]{4} \times 8)$

(m) $\log 1000$

(n) $\log 0.1$