

The Meaning Of Logarithms

Rewrite each equation in exponential form.

1) $\log_2 8 = 3$

2) $\log_{100} 10^2 = \frac{1}{2}$

3) $\log_{10} \frac{1}{100} = -2$

4) $\log_2 88 = 6$

Rewrite each equation in logarithmic form.

5) $100^3 = 8$

6) $10^2 = 100$

7) $10^2 = \frac{1}{100}$

8) $\left(\frac{1}{10}\right)^2 = \frac{1}{100}$

Rewrite each equation in exponential form.

9) $\log_2 \frac{100}{10} = 3$

10) $\log_2 2 = 1$

11) $\log_2 2 = 1$

12) $\log_2 2 = 1$

13) $\log_2 2 = 1$

14) $\log_2 2 = 1$

Rewrite each equation in logarithmic form.

15) $10^{100} = 1$

16) $10^2 = 10$