

Exponents and Logarithms

Rewrite each equation in exponential form.

1) $\log_{11} 121 = 2$

2) $\log_9 81 = 2$

3) $\log_7 49 = 2$

4) $\log_{216} 6 = \frac{1}{3}$

Rewrite each equation in logarithmic form.

5) $81^{\frac{1}{2}} = 9$

6) $16^2 = 256$

7) $7^2 = 49$

8) $12^2 = 144$

Rewrite each equation in exponential form.

9) $\log_x 191 = y$

10) $\log_5 n = -2$

11) $\log_5 x = 19$

12) $\log_n m = -6$

Rewrite each equation in logarithmic form.

13) $x^y = 178$

14) $19^{-19} = x$

15) $x^y = z$

16) $b^a = 154$

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