

Writing in Exponential & Log form

Rewrite each equation in exponential form.

1) $\log_{13} n = 8$

$$13^8 = n$$

2) $\log_{16} 256 = 2$

$$16^2 = 256$$

3) $\log_7 49 = 2$

$$7^2 = 49$$

4) $\log_v 38 = u$

$$v^u = 38$$

5) $\log_{16} \frac{1}{256} = -2$

$$16^{-2} = \frac{1}{256}$$

6) $\log_3 9 = 2$

$$3^2 = 9$$

Rewrite each equation in logarithmic form.

7) $14^2 = 196$

$$\log_{14} 196 = 2$$

8) $9^2 = 81$

$$\log_9 81 = 2$$

9) $12^x = y$

$$\log_{12} y = x$$

10) $v^3 = u$

$$\log_v u = 3$$

11) $7^n = m$

$$\log_7 m = n$$

12) $b^a = 176$

$$\log_b 176 = a$$