

Exponents and Logarithms

A) Express each equation in logarithmic form.

1) $a^{\frac{1}{4}} = 16$

2) $x^{-2} = \frac{1}{9}$

3) $5^w = 25$

4) $7^2 = n$

5) $u^8 = 256$

6) $6^{-h} = \frac{1}{216}$

B) Express each equation in exponential form.

1) $\log_r 8 = 3$

2) $\log_2 k = 6$

3) $\log_{64} d = \frac{1}{3}$

4) $\log_5 625 = m$

5) $\log_6 36 = z$

6) $\log_v \left(\frac{1}{16} \right) = -4$
