

Name : _____

Score : _____

Logarithmic & Exponential Form

Numerals: S1

Express each equation in logarithmic form.

1) $5^2 = 25$

2) $36^{\frac{1}{2}} = 6$

3) $3^{-3} = \frac{1}{27}$

4) $4^3 = 64$

5) $3^2 = 9$

6) $2^6 = 64$

7) $6^3 = 216$

8) $2^{-4} = \frac{1}{16}$

Express each equation in exponential form.

9) $\log_2 32 = 5$

10) $\log_4 256 = 4$

11) $\log_5 125 = 3$

12) $\log_8 2 = \frac{1}{3}$

13) $\log_3 27 = 3$

14) $\log_4 \left(\frac{1}{64}\right) = -3$

15) $\log_2 \left(\frac{1}{8}\right) = -3$

16) $\log_{10} 1000 = 3$