

**Logarithmic & Exponential Form**

Numerals: S4

**Express each equation in logarithmic form.**

1)  $4^{-3} = \frac{1}{64}$

2)  $3^6 = 729$

3)  $5^3 = 125$

4)  $2^8 = 256$

5)  $16^{\frac{1}{4}} = 2$

7)  $4^2 = 16$

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

**Express each equation in logarithmic form.**

9)  $\log_3 \left( \frac{1}{81} \right) = -4$

11)  $\log_{27} 3 = \frac{1}{3}$

13)  $\log_2 8 = 3$

14)  $\log_{64} 8 = \frac{1}{2}$

15)  $\log_5 625 = 4$

16)  $\log_7 \left( \frac{1}{343} \right) = -3$