

**Logarithmic & Exponential Form**

Numerals: S3

**Express each equation in logarithmic form.**

1)  $3^4 = 81$

2)  $64^{\frac{1}{6}} = 2$

3)  $4^{-2} = \frac{1}{16}$

4)  $2^7 = 128$

5)  $6^2 = 36$

7)  $8^3 = 512$

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**Express each eq**

9)  $\log_7 343 = 3$

11)  $\log_4 64 = 3$

13)  $\log_{25} 5 = \frac{1}{2}$

14)  $\log_6 \left(\frac{1}{36}\right) = -2$

15)  $\log_4 16 = 2$

16)  $\log_{49} 7 = \frac{1}{2}$