

**Logarithmic & Exponential Form**

Variables: S2

**Express each equation in logarithmic form.**

1)  $2^3 = r$

2)  $a^7 = 128$

3)  $u^{\frac{1}{4}} = 3$

4)  $7^6 = s$

5)  $4^z = 64$

7)  $x^{\frac{1}{6}} = 2$

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**Express each eq**

9)  $\log_8 512 = h$

11)  $\log_4 \left(\frac{1}{16}\right) = -y$

13)  $\log_x 81 = 4$

14)  $\log_{49} 7 = f$

15)  $\log_{11} n = 2$

16)  $\log_8 k = \frac{1}{2}$