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Date \_\_\_\_\_  
Algebra II

## *Evaluating Logarithms*

**Evaluate each of the following logarithms:**

1.  $\log_4 4$

2.  $\log_{15} 1$

3.  $\log_2 16$

4.  $\log_3 27$

5.  $\log_6 36$

6.  $\log_4 64$

7.  $\log_2 8$

8.  $\log_5 125$

9.  $\log 100000$

10.  $\log_7 \frac{1}{49}$

11.  $\log_2 \frac{1}{8}$

12.  $\log 0.1$

13.  $\log_6 216$

14.  $\log_{11} \frac{1}{121}$

15.  $\ln e$

16.  $\log_{\frac{1}{2}} \frac{1}{64}$

17.  $\log_9 27$

18.  $\log_4 32$