



**Assumption College Thomburi**  
Inventive English Program (IEP)

Worksheet in Supplementary English 5 (Mathematics)

**Evaluating Logarithmic Expressions**

Name: \_\_\_\_\_ No. \_\_\_\_ Class: M. 5/7

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Directions: Evaluate each of the following logarithms. You may use a table for common logarithms.

1.  $\log_3 8 - \log_2 16$

2.  $\log_2 25$

3.  $\log_2 8 + \log_{\frac{1}{2}} 8$

4.  $e^{\ln 3}$

5.  $\ln 8 - \ln 2$

6.  $\log 1 + \log 100 - \log 10$

7.  $10 \log 5$

8.  $\log_2 \frac{1}{16}$

9.  $\log_{27} 9$

10.  $\log 100$

11.  $\log 0.48$

12.  $\log_{16} 4$