

## General Algebra 2 Worksheet #5 Unit 12 \_\_\_\_\_

Evaluate each of the following without the use of a calculator.

1.  $\text{Log } 10 = \underline{\hspace{2cm}}$

2.  $\ln e = \underline{\hspace{2cm}}$

3.  $\text{Log } 100 = \underline{\hspace{2cm}}$

4.  $\text{Log } 0.01 = \underline{\hspace{2cm}}$

5.  $\text{Log } 10,000 = \underline{\hspace{2cm}}$

6.  $\text{Log } 0.0001 = \underline{\hspace{2cm}}$

7.  $\ln e^2 = \underline{\hspace{2cm}}$

8.  $\ln e^{-2} = \underline{\hspace{2cm}}$

9.  $\ln e^4 = \underline{\hspace{2cm}}$

10.  $\ln e^{-4} = \underline{\hspace{2cm}}$

Use a calculator to evaluate each of the following. Express your answers rounded to the nearest hundredth.

11.  $\text{Log } 30 = \underline{\hspace{2cm}}$

12.  $\text{Log } 0.5 = \underline{\hspace{2cm}}$

13.  $\text{Log } 5000 = \underline{\hspace{2cm}}$

14.  $\text{Log } e = \underline{\hspace{2cm}}$

15.  $\ln 30 = \underline{\hspace{2cm}}$

16.  $\ln 0.5 = \underline{\hspace{2cm}}$

17.  $\ln 5000 = \underline{\hspace{2cm}}$

18.  $\ln 10 = \underline{\hspace{2cm}}$