Math 3 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
1-3 Learn Check

In this learning check, you are being assessed on the following learning goals:

* *I can recognize what is meant by “taking the logarithm” of a real number.*
* *I can rewrite any real number as a power of 10 by finding common logarithms*

1. Write  in logarithmic form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Write  in exponential form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Write  in logarithmic form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Write  in exponential form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**In numbers 5 and 6, solve for *x*. *Round your answer to three decimal places.***

5. 

6. 

**In numbers 11 and 12, solve for *x*. *Round your answer to three decimal places.***

7. 

8. 

**NO CALCULATOR FOR PROBLEMS 9-12!!**

**Fill in the below boxes with <, >, or =. Explain your reasoning/show your work.**

9.  10. 

11.  12. 