COSC 311 Quiz #2 1/21/10 Name:_____

No calculator!
Your answers should not have an operation. E.g. do not say $2^{12} = 2^{10} * 2^{2}$

Numerical answers may be estimated to 1-1/2 digits of precision. Do not imply false precision.

1. What is 2^{12} ?

2. What is $\log_2 2^{12}$?

3. What is $\log_{10} 10^{7}$?

4. What is $\log_{10} 60$?

5. Put in increasing order: 10^{2} , 11^{2} , 2^{10} , 2^{11}
(Hint, you do not need to compute actual values)

6. Put in increasing order: $10^{2} \log_{10} 10$, $10 (\log_{10} 10)^{2}$, 10^{2}, 10, 10^{3}
(Hint, you do not need to compute actual values)