**12.2 Evaluate: Logarithmic Properties** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pre-AP Algebra 2

**Expand the following:**

1)  2)  3) 

4)   

**Condense the following:**

  

10)  11)  12) 

 13)  14) 

15) 2log 2 + log 3x – log 4 16) 2log x – log 3 + log 4

**Determine whether each statement is true or false.**

17) 

18) 

19) 

20) 

**For each statement, the property given is incorrect. Determine the error and write the**

**corrected property.**

21) 

22) 