Algebra II Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review of 8.4 & 8.5 Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_\_\_

Use lesson 8.4 notes to help you with the following problems.

**Write the expression as a single logarithm.**



1. 2) 3)





4) 5) 6)

Expand the logarithmic expression.



7) 8)



9) 10) 

Use lesson 8.5 notes to help you with the following problems.

**Round answer to the nearest thousandth if necessary.**

11) Solve 153x = 64 12) 33x = 19

13) 1259x – 2 = 150 14) 1108x – 3 = 120

15) log(3x + 11) = 2 16) log(6x + 9) = 3

17) 2logx = -1 18) 3log x = 1.5

19) log4x + log10 = 2 20) log2x + log 7 = 3