

Alg2 Classwork/Homework, due Monday, February 5

On a separate sheet of paper, answer each question, showing as much of your work as possible.

Be sure to check your answer — showing that as well.

Solve each equation.

100. $\log_7 (2x - 3)^2 = 2$

101. $\log_2 (x^2 + 2x) = 3$

102. $\log_4 (x^2 - 17) = 3$

103. $\frac{3}{2} \log_2 4 - \frac{1}{2} \log_2 x = 3$

Also, begin preparation of notes for Test on Tuesday, February 6. You will be allowed up to *two* pages of handwritten notes (both sides) this time.

I suggest including the properties of exponents, the properties of logarithms, the properties of radicals — with examples, as needed. And I suggest examples of strategic homework problems.