

Homework Due Thursday January 25

All answers must be in the form of a sentence to get credit.

1. Read all of Sections 6.3 pages 328–353. What you should pay close attention to is the definition of the integral as a limit of Riemann sums and to the error estimates given on page 344. Note that this estimate only works for increasing or decreasing functions so that in some cases you will have to divide an interval into pieces where the function is increasing or decreasing. In doing some of the problems you will need Maple and the worksheet `riemann.ms`. Also note that one of the problems has to do with average values and this may not get discussed in class. However you are still responsible for this material and for motivation I may put an average value problem on this week's quiz.
2. Pages 348–353 #1, #2, #8 (this one is related to the group project so make sure to understand it), #10 (but only try to get two decimal place accuracy), #12, #15

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