

Main Exercises Week 6

MATH 131: Calculus II, Section 1

Your Name (Print): _____

Follow the general guidelines for the Main Exercises assignments (the salmon colored handout). Be sure to **staple** together your pages if you have more than one, and include your **name** at the top. Neatness is appreciated and makes a good first impression!!!

Due: at the beginning of class on Wednesday, February 26th

Remember: Your write-up should be **your own**. You may discuss these problems with others, but **you should be alone when you write them up**, using only outlines of any group or Intern/TA discussions. Be sure to show your work! How you get there is more important than the final answer. Make sure you read the complete question with all the directions and hints before starting a problem.

1. Do Exercise 52 from Section 6.2 in the text (page 390). Even though they already provide you with the graph, be sure to include it in your solution, label your points of intersection and show your estimating rectangle.
2. Do Exercise 44 from Section 6.3 in the text (page 401). Be sure to include a graph in your solution, label your points of intersection and show your estimating rectangles. Note that this integral will require you to think carefully about integrating! Remember all the tools in your toolbox - old and new!