

## Math 125 End of Week 7 Newsletter

### UPCOMING SCHEDULE:

Monday: HOLIDAY – No Class  
Tuesday: HW Q & A and Exam Review  
Wednesday: Exam 2 Review (bring questions!)  
Thursday: **Midterm 2**  
Next Friday: Section 8.1 (Arc Length)

**This quarter Exam 2 covers:**

- 6.4: Work
- 6.5: Average Value
- 7.1-7.5: All integration Techniques (**Expect several pages on integration!!!**)
- 7.7: Approximating Integrals (Left, right, midpoint, trapezoid, Simpsons rules)
- 7.8: Improper Integrals

**HOMEWORK:** HW 7.7 and 7.8 Close Wednesday (but pretend they close Tuesday)

**NEW POSTINGS:** I already posted most of my integration technique review sheets last week, and here are new things:

1. [Brief 7.7 and 7.8 review sheet](#) - approximation and improper integrals
2. [Exam 2 Rules and Quick Overview](#) - tells you *exactly* what will be on the exam
3. [Exam 2 Review Lecture Outline](#) - review followed by example problems (in particular some work problems)
  - [Solutions and Notes to Exam 2 Review Lecture Outline](#)

### OLD EXAMS:

Once again here is the [Dr. Loveless Exam Archive](#)

Here are some targeted practice problems on current topics:

**for practice using Section 7.7 material** (Approximating):

Problem 5b from: <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>  
Problem 4a from: <https://sites.math.washington.edu/~aloveles/Math125Materials/f17m125e2.pdf>  
Problem 4a from: <https://sites.math.washington.edu/~aloveles/Math125Materials/sp17m125e2.pdf>

**for practice using Section 7.8 material** (Improper):

*Infinity in bounds:*

Problem 4b from: <https://sites.math.washington.edu/~aloveles/Math125Materials/w18m125e2.pdf>  
Problem 4b from: <https://sites.math.washington.edu/~aloveles/Math125Materials/sp17m125e2.pdf>

*Discontinuity within bounds:*

Problem 4b from: <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>  
Problem 4b from: <https://sites.math.washington.edu/~aloveles/Math125Materials/f17m125e2.pdf>

And there is plenty more practice in the exam archive and elsewhere on my website.

Please, please, please review integration, expect lots of integration on this test!

Hope this helps.

Dr. Loveles