

Math 125 End of Week 6 Newsletter

UPCOMING SCHEDULE:

Friday: Section 7.4 (Partial Fractions)
Monday: Section 7.4/7.5 (Partial Fractions/Summary of Techniques)
Tuesday: HW Q & A (You should have lots of homework questions!)
Wednesday: Section 7.5/7.7 (Approximating Integrals)
Thursday: [Worksheet 7 – Integration Techniques Practice](#)
Next Friday: Section 7.8 (Improper Integrals)

HOMEWORK: Closing Wed: 7.3, 7.4 and 7.5 HW

NEW POSTINGS: Please check out the [Dr. Loveless Review Materials Page](#)

For review and summary check out:

- [Dr. Loveless One-Page Integration Summary/Flowchart](#)
- [My 4-page Full Review Integration methods from 7.1 to 7.4](#)

You definitely want these two references sheets as you do homework and as you prepare your own exam notesheet:

- [Calculus Fact Sheet including all the integrals \(and derivatives\) you can quote in one step](#)
- [My Unit Circle and Trig Review Sheet](#)

You need to practice, practice, practice integrating. To help you do this, I have made several lists of practice problems:

- [30 random integrals directly from old exams](#) (for this practice sheet, just ask yourself “Do I know how to start?”)
 - [My Comments and Answers](#)
- [11 practice integrals of varying difficulty](#)
 - [My Full Solutions](#)
- [12 more random integrals](#)
 - [My Full Solutions](#)

OLD EXAMS: Here again is the link to [my exam archive](#). You should be looking at the Exam 2 Table. Here is some targeted practice...

for practice using Section 7.3 material (Trig Substitution):

Problem 1(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>

Problem 3(b): <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>

Problem 2(b): <https://sites.math.washington.edu/~aloveles/Math125Materials/w18m125e2.pdf>

Problem 3(b): <https://sites.math.washington.edu/~aloveles/Math125Materials/w18m125e2.pdf>

for practice using Section 7.4 material (Partial Fractions):

Problem 1(b): <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>

Problem 1(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/w18m125e2.pdf>

Problem 1(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/f17m125e2.pdf>

Problem 3(b): <https://sites.math.washington.edu/~aloveles/Math125Materials/f17m125e2.pdf>

for practice using Section 7.5 material (Combining Integration Techniques):

Problem 3(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>

Problem 4(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/w19m125e2.pdf>

Problem 3(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/w18m125e2.pdf>

Problem 3(a): <https://sites.math.washington.edu/~aloveles/Math125Materials/f17m125e2.pdf>

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

See the next page for more links and homework hints.

I hope some of this helps.

- Dr. Andy Loveless