Math 124 End of Week 2 Newsletter

UPCOMING SCHEDULE:

Friday:	Section 2.5 and 2.6 (Continuity, then Limits at Infinity)
Monday:	NO CLASS
Tuesday:	Graphs of f(x) and f'(x) worksheet: http://www.math.washington.edu/~m124/source/worksheets/aut_ws3.pdf
Wednesday:	Section 2.7 (The derivative at a point)
Thursday:	Homework discussion and test prep (bring homework questions!)
Friday:	Section 2.8 (The derivative function)

WORKSHEET 2 (from last Tuesday's quiz section) has solutions posted here:
http://www.math.washington.edu/~m124/source/worksheets/aut_ws2sol.pdf

HOMEWORK:

Closing Friday (Today) at 11:00pm:	hw03S2.2
Closing Monday:	hw04S2.3
Closing Wednesday:	hw05S2.5-6
Closing next Friday:	hw06S2.7

PREVIOUS HOMEWORK STATS:

hw01S10.1:	median score = 100%,	median time browser open to assignment = 230 minutes
hw02S2.1:	median score = 97%,	median time browser open to assignment = 244 minutes
hw03S2.2:	median score = 100%,	median time browser open to assignment = 70 minutes

Homework Notes:

1. The vast majority of the class got at or near 100% on the first three assignments. As expected, the first two assignments took considerable time, but the third one was much more manageable. It is an important **first step** to do well on all the homework. Getting high scores on the homework does not, in itself, guarantee a good grade on the exam. The exam problems will look a lot like homework so if you **understand** all the homework, then you will do well on the exam. Make sure you can answer similar questions in an exam-like situation. See more advice below.

2. ***Remember to review the homework and look back at solutions***: As of the writing of this newsletter, only 4 student in the class have gone back and looked at the hw01S10.1 solutions. Please remember to go back and review the homework and the solutions at the end of each week (even if you get the questions correct, it is good to see solutions for other approaches to the problem).

3. Remember that I round up by 5%, so even if you miss a few homework problems you can still get 100% for homework.

4. Also remember that 100% on homework certainly does NOT guarantee 100% on the exams.
It is vital to:

a) Get homework correct in one submission (just like on an exam).
b) Practice checking your work (just like on an exam).
c) Ask yourself if you could do a similar problem on an exam (all homework is fair game).
d) Start looking at old midterm exams and seeing if you can do some of the problems.
e) If you want more practice, go find similar problems in the textbook (or eBook).

Important Note:

I have had two students complain that they saw their classmates copying homework answers either from a classmates, from an online source, or from a tutor or TA. I have seen other students just doing "practice another version" or "watch it" and getting most their answer from these resources. If you are doing these things, then you are only hurting yourself. Remember that most of your grade comes from exams. And you best prepare for these exams by doing the homework as if it was an exam. If you don't actually do most the homework on your own, then you will do poorly on the exams and you will risk not passing class. So if you see your classmates copying on homework, then let them; because they will do bad on the tests and keep the exam statistics down and make you look better. These students are gaining no advantage, they are hurting themselves.

NEW POSTINGS
Remember the course website is here: http://www.math.washington.edu/~aloveles/Math124Winter2017/index.html
There are several new postings:

1. **Week 2 Overview** (contains a basic review for 2.3, 2.5, and 2.6).
   http://www.math.washington.edu/~aloveles/Math124Winter2017/m124week2review-without2-4.pdf
2. **Visual Review of some of the functions and limits you should know** (the most commonly forgotten ones):
   http://www.math.washington.edu/~aloveles/Math124Winter2017/m124%20Functions%20And%20Limits.pdf
3. **A summary of our limit strategies:**
   http://www.math.washington.edu/~aloveles/Math124Winter2017/Limit%20Strategies.pdf
4. **Practice with continuity and multipart functions** (we often have exam questions like these, try these out; solutions are included):
   http://www.math.washington.edu/~aloveles/Math124Winter2017/m124ContinuityPractice.pdf
5. **Don't forget you can see many other review materials from lecture here**:
   http://www.math.washington.edu/~aloveles/Math124Winter2017/lecture.html

OLD EXAMS:
Remember, the departmental exam archive is here: http://www.math.washington.edu/~m124/SampleMid1.php
and my additional exam archive here:
http://www.math.washington.edu/~aloveles/Math124Winter2017/LovelessExamArchive.html
Once again, here is my most recent old exam (flip through it to get a sense of what exam 1 will look like):
http://www.math.washington.edu/~aloveles/Math124Winter2017/m124w16e1.pdf

Here are some limit problems (2.3) from old midterms:
Problem 1ab: http://www.math.washington.edu/~aloveles/Math124Winter2017/m124w13e1.pdf
Problem 1 from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/mid1w11/midterm1v1.pdf
Problem 1 from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/2013aut/collingwood.pdf
Problem 1bc from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/2013spr/pezzoli.pdf
Problem 1 from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/2015aut/sylvester.pdf

Here are some continuity problems (2.5) from old midterms:
Problem 5a: http://www.math.washington.edu/~aloveles/Math124Winter2017/m124w16e1.pdf
Problem 5b(i): http://www.math.washington.edu/~aloveles/Math124Winter2017/m124w13e1.pdf
Problem 2a from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/mid1w11/midterm1v1.pdf
Problem 2b from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/2013spr/pezzoli.pdf
Problem 3 from: http://www.math.washington.edu/~m124/source/Exams/Midterm1/2015aut/sylvester.pdf

I hope some of this helps. If you find something helpful in these newsletters, please share it with your classmates.

Dr. Andy Loveless