UPCOMING SCHEDULE:
Friday (Today): Finish 9.8/9.9 (Derivative Applications)
Monday: 9.9 (Derivative Applications) and Review
Tuesday: HW Questions and Review
Wednesday: Review (bring old exam questions)
Thursday: **Exam 1 (covers 9.3-9.9)!!!**
Next Friday: 10.1 (Critical Numbers)
Activity 3 Solutions: https://sites.math.washington.edu/~aloveles/Math112Winter2018/Activity03key.pdf
Activity 4 Solutions: https://sites.math.washington.edu/~aloveles/Math112Winter2018/Activity04key.pdf

HOMEWORK: Closing Tuesday: 9.7(2), 9.8, 9.9 Homework Finish these as soon as possible!
Homework Stats and Notes (Read this!):
- On 9.4 and 9.5, the median score was 100%, great. So almost all of you are completing the homework with 100%, that is a good start. Now we have to practice getting those right in one submission and we need to look at old exams.
- On the first few product/quotient rule problems, about 60% of the class is got it correct on the first submission. Keep practicing until you can always get it right on the first submission. You only get one submission on the test.
- I notice on the first submission, that quite a few of you missed the tangent line questions (9.5/8-9), my guess is you might have missed lecture as we did an identical example. Make sure to look at the 9.5/6 lecture notes for an example of tangent lines. You also can see three more worked examples in my 9.6 review sheet.

NEW POSTINGS: There are a lot of new postings. You can find them in the most recent announcement and on the right side of the course page. I also provide direct links below:
1. Overview of 9.5/9.6 with examples: Also gives 3 full examples of finding the **equation for tangent lines!**
   https://sites.math.washington.edu/~aloveles/Math112Winter2018/m112review9-5&9-6.pdf
2. Overview of 9.7/9.8 with examples*: (combining rules and the 2nd derivative):
   https://sites.math.washington.edu/~aloveles/Math112Winter2018/m112review9-7&9-8.pdf
3. Overview of 9.9: (discussion/summary of applications so far):
   https://sites.math.washington.edu/~aloveles/Math112Winter2018/m112review9-9.pdf
4. Derivative Graph Fact Sheet:
   https://sites.math.washington.edu/~aloveles/Math112Winter2018/m112%20Intro%20To%20Derivatives.pdf
5. Exam 1 Checklist and List of Topics:
   https://sites.math.washington.edu/~aloveles/Math112Winter2018/m112reviewExam1.pdf

OLD EXAMS: You can also see the entire exam archive here: https://sites.math.washington.edu/~m112/Archives.html
See previous newsletters for targeted practice by topic on 9.3-9.7!!!

For practice with 9.8 (2nd Derivatives):
Problem 1b from: https://sites.math.washington.edu/~m112/Midterm1/112_Wi16_MT1_nichifor.pdf
Problem 1c from: https://sites.math.washington.edu/~m112/Midterm1/Wi15_MT1.pdf
Problem 1b from: https://sites.math.washington.edu/~m112/Midterm1/spr13examI.pdf

For practice with 9.9 (Applications):
Problem 2 from: https://sites.math.washington.edu/~m112/Midterm1/win17exam1taggart.pdf
Problem 2 from: https://sites.math.washington.edu/~m112/Midterm1/spr16examItaggart.pdf
Problem 5 from: https://sites.math.washington.edu/~m112/Midterm1/win14examIloveless.pdf
Problem 4 from: https://sites.math.washington.edu/~m112/Midterm1/Sp17_bekyel_MT1.pdf

See last week's newsletter for exam studying advice. Hope this helps.

- Dr. Andy Loveless