Math 111 End of Week 8 Newsletter

UPCOMING SCHEDULE:

Friday (Today): Structured Review
Monday: Unstructured review (bring questions and you can come to any or all lectures)
Tuesday: **MIDTERM 2** (in your normal quiz section)
Wednesday: Class cancelled (based on last year's data, attendance would be terrible on this day, so I am not holding lecture on this day. There will be no class)

***Note*: The MSC will be closed on Tuesday, Wednesday, and Thursday of next week for the holiday.**

WEEK 8 HOMEWORK STATS:

Section 4.2 HW: Median Score = 100%, Median Time Browser Open = 120 minutes
Section 5.1&5.2 HW: Median Score = 100%, Median Time Browser Open = 30 minutes
Section 5.3 HW: Median Score = 100%, Median Time Browser Open = 65 minutes

IMPORTANT NOTE: Tuesday, November 22nd: Midterm 2 in quiz section

It covers: 1.6 (supply/demand), 2.1-2.3 (quadratics/applications), 1.5 (solving systems), 4.1/4.2 (linear programming), 5.1-5.3 (powers/root, exponentials/logarithms)

Reminders about how to study: (you can find a lot more advice in previous newsletters and emails)

1. Spend some time looking through ALL the homework covered on this exam. Make notes on things that confused you and check out the review sheets, lectures or book to remind you about those topics. There will be at least one problem that is essentially word-for-word the same as homework (and all exam problems will be like the homework).
2. As soon as possible, work through a few old exams in detail. Try to put yourself in an exam-like situation. Don't just read solutions; reading solutions does not count as studying.
3. If you find that you are struggling with a particular type of problem, then check out the corresponding review sheet and homework. Also you can practice several old exam problems of a particular type, by using the targeted practice from my newsletters (I have copied this targeted practice on the next page.
4. After you have worked through several exams in detail, spend some time flipping through all the other exams. Do you know how to start those problems? Does anything surprise you? Etc..

ADDITIONAL OFFICE HOURS: Most of your studying should be done on your own; actively working problems. But if you run into a topic that keeps confusing you then I can answer your questions in class or office hours.

Here are times you will have direct access to me (Dr. Loveless):

Friday: 8:45am - 12:30pm in Anderson Hall 223.
1:15pm - 3:15pm in the Math Study Center
Monday: 8:45am – 12:45pm in Anderson Hall 223.
1:15pm - 3:15pm in the Math Study Center

Also note the MSC is open until 4:30pm on Monday and, as always, CLUE tutoring is open in the late evenings.

NOTES ABOUT OFFICE HOURS:

a) On Friday, I will have a more structured review during the actual class times. However, from 8:30-9:30am and 1:15-3:00pm on Friday I will have open review sessions (bring questions, you can ask anything you want). **Friday from 1:15-3:15pm would be a great time to come to the MSC and work out old exam problems on the boards! Let's have a studying party, come on by!**
b) On Monday, you get **6+ consecutive hours** where you can ask me any questions you want!!! From 8:30-12:45pm I will be in Anderson Hall 223; you can come to any or all lectures, since they will be unstructured sessions where I just answer old exam and homework questions. Please bring lots of questions. And from 1:15-3:15pm on Monday you can ask me any questions you want in the MSC.
c) That all being said, you need to be spending the majority of your time studying on your own!!! Put yourself in an exam like situation, make sure you can actually do the problems yourself. Watching me do problems does not count as actual studying, I will just be available to straighten out any confusion you are having, but you need to make sure at some point that you can actually do the problems completely on your own!

POSTINGS: No new postings; I already posted all the exam reviews last week but here are some previous postings you might want to look at again (listed again for your convenience):

Full Extensive Exam 2 Review: http://www.math.washington.edu/~aloveles/Math111Fall2016/Exam2Review.pdf
All the review material I have created for you since exam 1, in one file:
http://www.math.washington.edu/~aloveles/Math111Fall2016/AllExam2ReviewInOneFile.pdf

Section 1.6 (supply and demand): You should recognize that you did supply and demand questions in several different homework sets including 1.6, 1.5, and in chapter 2. Make sure you can do all those homework questions.

1. **Summary of main supply and demand concepts** (See pages 2 and 3):
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section1.6Review.pdf

Chapter 2 Materials (vertex, quadratic equations, functional notation and business app problems):
A great place to start your studying on this material is the **Optional Homework** that I created to help you practice chapter 2 (you will see these assignments in webassign).

1. **FULL REVIEW OF CHAPTER 2 (contains 6 old exam questions with full solutions):**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section2.3Review.pdf
2. **Summary of all homework from chapter 2 (I categorize all the homework in this sheet):**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Chapter2ProblemOverview.pdf
3. **Summary of applied functional notation skills (from 2.2):**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section2.2Review.pdf
4. **Summary of general functional notations skills:**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/FunctionalNotation.pdf
5. **Summary of basic vertex and quadratic equation skills (from 2.1):**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section2.1Review.pdf

Chapter 4 Materials (solving systems, graphing inequalities and linear programming):

1. **Discussion of the Linear Programming Method (from 4.2) with full examples:**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section4.2Review.pdf
2. **Four examples of how to set up applied linear programming problems:**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Chapter4PreviewAndNotes.pdf
3. **Review of solving systems and graphing inequalities (from 1.5 and 4.1):**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section1.5&4.1Review.pdf

Chapter 5 Materials (powers/roots, exponentials/logarithms, and solving in general):

1. **Review of 5.1, 5.2, and 5.3:**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/Section5.1-5.3Review.pdf
2. **Summary of general solving skills:**
   http://www.math.washington.edu/~aloveles/Math111Fall2016/m112reviewSolving.pdf

General Comments on Calculation Errors and Checking your Work:
http://www.math.washington.edu/~aloveles/Math111Fall2016/Math111CalculationErrors.pdf

OLD EXAMS:
You should be working through all the **second midterms** in the exam archive which you can find here:
http://www.math.washington.edu/~m111/Archives.html

Exponential/Logarithm Problems from old exams (5.1-5.3):
Problem 4(b) from: http://www.math.washington.edu/~m111/Midterm2/au15_MT2_Loveless.pdf
Problem 1(b) from: http://www.math.washington.edu/~m111/Midterm2/aut14_MT2_loveless.pdf
Problem 5 from: http://www.math.washington.edu/~m111/Midterm2/aut12ExamIItaggart.pdf
Problem 5 from: http://www.math.washington.edu/~m111/Midterm2/win13ExamIInichifor.pdf
Problem 4 from: http://www.math.washington.edu/~m111/Midterm2/aut13ExamIIbekyel.pdf

For your convenience, I have recopied the old exam problem lists from my previous newsletters (in case you want targeted practice on one of these topics again):

Linear Programming Problems from old exams (1.5, 4.1, 4.2):
Problem 4 from: http://www.math.washington.edu/~m111/Midterm2/aut14_MT2_loveless.pdf
Problem 3 from: http://www.math.washington.edu/~m111/Midterm2/au15_MT2_Loveless.pdf
Problem 3 from: http://www.math.washington.edu/~m111/Midterm2/sum13ExamIItaggart.pdf
Problem 3 from: http://www.math.washington.edu/~m111/Midterm2/aut13ExamIIbekyel.pdf
Problem 3 from: http://www.math.washington.edu/~m111/Midterm2/win16_MT2_taggart.pdf

Functional Notation, Algebra, Quadratic and Business App Problems from old exams (2.1-2.3):
Problems 1 & 2 from: http://www.math.washington.edu/~m111/Midterm2/au15_MT2_Loveless.pdf
Problem 1 from: http://www.math.washington.edu/~m111/Midterm2/win14ExamIIostroff.pdf
Problem 2 & 3 from: http://www.math.washington.edu/~m111/Midterm2/aut14_MT2_loveless.pdf
Problems 3 & 4 from: http://www.math.washington.edu/~m111/Midterm2/aut13ExamIInichifor.pdf
Problems 1 & 2 from: http://www.math.washington.edu/~m111/Midterm2/sum13ExamIItaggart.pdf

Supply and demand Problems from old exams (1.6):
Problem 4 from: http://www.math.washington.edu/~m111/Midterm2/au15_MT2_Loveless.pdf
Problem 2 from: http://www.math.washington.edu/~m111/Midterm2/win14ExamIIostroff.pdf
Problem 1 from: http://www.math.washington.edu/~m111/Midterm2/aut14_MT2_loveless.pdf
Problem 2 from: http://www.math.washington.edu/~m111/Midterm2/aut13ExamIIbekyel.pdf
Problem 1 from: http://www.math.washington.edu/~m111/Midterm2/aut13ExamIInichifor.pdf

Okay, if you find something helpful here, please advertise to your classmates. I want these materials to be used.

Dr. Andy Loveless