Math 111 End of Week 3 Newsletter

UPCOMING SCHEDULE:
Friday (Today): Section 1.1
Monday: Section 1.2, 1.3
Tuesday: Test Prep and HW discussion
Wednesday: Section 1.6
Thursday: HW discussion and exam review
Friday: Section 1.6 and exam review
IMPORTANT: Exam 1 is Tuesday, Oct. 27. It will cover Supplement 1-9 and Sections 1.1-1.3

HOMEWORK:
Closing Tuesday (by 11pm): Supplement 8-9
Closing Thursday (by 11pm): 1.1, 1.2, and 1.3

Activity 3 (from last Tuesday's quiz section) has solutions posted online. Make sure to review this. You are expected to know this material for exams. Here is the direct link:
http://www.math.washington.edu/~aloveles/Math111Fall2015/Activity03key.pdf

WEEK 2 HOMEWORK STATS:
SUPPLEMENT 5 HW: Median Score = 100% (more than half the class got 100%)
Median Amount of Time Students had Browser open to homework = 2 hours and 20 minutes
SUPPLEMENT 6-7 HW: Median Score = 100%
Median Amount of Time Students had Browser open to homework = 1 hour and 30 minutes
SUMMARY OF WEEK 2 HOMEWORK: The vast majority of students in this class got 100% on the homework this week and they had their browser open to the homework for under 4 hours.

IMPORTANT, IMPORTANT, IMPORTANT:
Remember: 100% on homework does NOT guarantee a good grade on the exams
(100% on homework is just the first step). Typically the median on the first test is around 75%. **However, based on past history, there always are a large number of students that have 100% homework and end up with exams scores below (or well below) 60%.** Again, 100% homework does NOT guarantee a good grade on exams and it does NOT guarantee a good grade in this class. In fact you can get 100% on homework and still fail the class (I have seen this many times). **Remember most of your grade comes from your exam scores, so you should be expending MORE energy and time preparing for the exams than you are using to complete the homework.** If you are spending four hours a week completing the homework, then you should be spending more than four hours studying the week before the exam. You need to remember:

1. You only get one submission on exams (you don't get 5 tries like in homework).
2. You won't have a tutor helping you during the exam.
3. The exams will be very much like homework. Many questions will come directly from homework, so you will have no excuse not to be prepared.
4. There will be some parts of some questions that are small adaptations of homework. For these you need to make sure you understand the underlying concepts.
5. One of the best things to do is to work through ALL the exams in the exam archive. And work through them COMPLETELY on your own in an exam-like setting (go sit in a classroom and time yourself). You need to practice for exams in a way that is exactly like the atmosphere you will be in when you take the actual exam.

In addition, read my advice here:
http://www.math.washington.edu/~aloveles/Math111Fall2015/ExamAdvice.pdf

NEW POSTINGS:
Now is the time to be reviewing and organizing your understanding of the concepts so far. Here are some postings to help you do this:

1. **A review of everything we have done so far (Supp. 1-9)**:

http://www.math.washington.edu/~aloveles/Math111Fall2015/SupplementGraphsReview.pdf

2. **A breakdown/categorization of all homework questions that starts with a "total amount graph"**:

http://www.math.washington.edu/~aloveles/Math111Fall2015/SuppHomeworkBreakdown.pdf

3. **Visual Summaries of the Business Graphs we have discussed:**

http://www.math.washington.edu/~aloveles/Math111Fall2015/BusinessGraphVisualSummary.pdf

4. Remember that **all previous review sheets and postings can also be found on the right side of the course website here**: http://www.math.washington.edu/~aloveles/Math111Fall2015/index.html

OLD EXAM QUESTIONS FOR PRACTICE:
Here are some old exam questions that pertain to material we have done lately. Try these problems out now to get an idea of how you well you are understanding the material and to access if you are ready for the first exam (you will need to read Supp. 8 and Supp. 9 to do a few parts of these problems).

For practice with Supp. 8-9 look at:

Problems 2 and 3 from:
http://www.math.washington.edu/~m111/Midterm1/aut13ExamIbekyel.pdf
Problems 1 and 3 from:
http://www.math.washington.edu/~m111/Midterm1/aut14_MT1_loveless.pdf

For practice with sections 1.1 to 1.3 look at:

Problem 4 from:
http://www.math.washington.edu/~m111/Midterm1/win14ExamIbekyel.pdf
Problem 4 from:
http://www.math.washington.edu/~m111/Midterm1/aut13ExamIbekyel.pdf
Problem 4 from:
http://www.math.washington.edu/~m111/Midterm1/aut14_MT1_loveless.pdf

STUDY TIP:
(I already gave this tip, but I'm giving it again because I personally always found it to be good advice when I was a student): **Print off several old midterms NOW!!** The midterms mentioned above and others can be found in the exam archive here:
http://www.math.washington.edu/~m111/Archives.html

When I was a graduate student I found that an effective use of my time was to:

1. Work through 4-6 exams one night about a week before the exam. (so by this coming Tuesday)

2. Then ask questions and clarify over that week. (This also makes you more prepared for review sessions).

3. Work through several more exams two nights before the midterm.

In doing this you will expose yourself to a lot of problems and you will give your mind time to ask questions and think about what an exam might look like.

I hope you find these newsletters to be helpful.

See you in class.

Dr. Andy Loveless