

Math 111 Week 2-3 Newsletter

UPCOMING ASSIGNMENTS

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|---------------------------------|-----------------------------|---------------------|
| - <i>Closing Tue:</i> | GATROC 4, 5, and 6 HW | on Webassign |
| - <i>Thurs at start of Lab:</i> | Test Prep 1 (on GATROC 1-6) | on paper in Lab |

UPCOMING SCHEDULE:

Mon:	No Class (Holiday)
Tue:	Lab
Wed:	GATROC 7 Class Session (business graph techniques: marginal revenue/cost and max profit)
Thu:	Lab (Test Prep 1)
Fri:	GATROC 8 Class Session (analysis of a business costs: breakeven price and shutdown price)

WEEK 1 HOMEWORK STATS:

- GATROC 1: median score = 100%, average score = 96%, median time = 59 minutes
GATROC 2: median score = 100%, average score = 94%, median time = 37 minutes
GATROC 3: median score = 100%, average score = 96%, median time = 48 minutes

Notes:

- *The vast majority of the class did well on these assignments. And the vast majority of the class had their browsers open to these homework assignments for 2-3 hours over the first two weeks (a good rough gauge for homework time). Now you can plan appropriately for future weeks. If it is taking you a lot more time than this, then please start your assignments earlier, use the Lab, use the discussion board, and ask your classmates for advice.*
- *Remember that homework is only a small part of your grade, you need to show that understanding on quizzes and exams (where you only get 1 submission), practice, practice, practice, until these ideas are routine.*

WARNING: GATROC 4 likely will take you longer than the previous assignments. To help, I did several of the problems in lecture, check out those lecture notes! In addition to those notes, also you can check out: [GATROC 4 HW Hints](#)

EXTRA POSTINGS: Again, I keep a “materials page” which has supplemental resources for Math 111 that I have created for you. If you find yourself in trouble or in need of some summary resources or extra practice, then check it out here:

[Dr. Loveless Math 111 materials page](#)

Some particular review sheets worth noting are:

1. [GATROC 5 Translation Table](#) (good practice to make sure you understand translations)
2. [Brief GATROC 6-7 Review](#)
3. [Summary page for the business terms](#)

We hope you are starting to get the basic ideas, in particular:

Important HW Idea 1:

- a) If given a total amount graph (distance, dollars, etc), then GET YOUR RULER OUT and be ready to draw lines.
- b) If given an incremental graph (dots, changes, rates, etc), then PUT YOUR RULER AWAY. You will read off values and use the description to work backwards to answer questions.

Important HW Idea 2: For the first case (when given a total amount graph), you often see two main types of questions:

- a) Problems where you are given the interval and asked to find a slope. Draw the secant line and find the slope.
- b) Problems where you are given the slope and asked to find an interval. Draw a reference line, then slide the ruler parallel to the desired interval.

To help you organize the ideas above, please check out the following we just created...

[Flowchart on how to approach the problems](#)

[Full Review of the GATROC](#)

[Extremely Brief \(one-page\) review of the GATROC](#)

We hope these help, let us (and your classmates) know if you find something useful here, we want these to be used.

See the next page for more course advice...

OLD EXAM QUESTIONS FOR PRACTICE: Here is the [OLD EXAM ARCHIVE](#)

If I were you, I would glance at this after you complete each homework assignment to see which problems you now understand. After this week, you'll understand most the problems (except a few of the business examples which are from GATROC 7-9).

Try problem 1 from the [Taggart 2018 exam](#) (overall distance graph with translation)

Try problem 2 from the [Loveless 2016 exam](#) (value of stock graph with translation)

Try problem 2 from the [Taggart 2015 exam](#) (and incremental "dot" graph)

IMPORTANT COURSE COMMENTS

I have had a few emails asking for extensions or extra submissions. Here are a few comments for everyone:

1. Start your homework early!
2. You can get an extension automatically through Webassign, but there is a small penalty for problems completed after the due date. Here are [instructions on how to request an extension](#).
3. We will NOT give more submissions. The fact that you have 5 submissions is already too generous. Here is how you should do the homework.
 - (a) Read the question and attempt the problem.
 - (b) If the first submission is incorrect, reread and make sure you understand the graph and the question. Also make sure you were as accurate as possible (did you print off the large graph and draw lines and do things as accurately as you could?). If you think it is an accuracy thing, then ask look carefully and ask if you think your estimate is an over or under estimate and adjust.
 - (c) If your second submission is incorrect, then move on to other questions and ask someone about that problem later (a classmate, a tutor, me).
 - (d) You should NEVER use more than 3 submissions.
4. Lastly, there are lots and lots of ways to get help including:
 - (a) The Lab - every Tuesday and Thursday!
 - (b) Discussion Board – open all the time! You can get there through Canvas.
 - (c) Office Hours – Between your instructors and TA's there are many options, see Canvas.
 - (d) CLUE tutoring – open in the evenings at Mary Gates hall (as well as virtual).
 - (e) Check out review sheets and homework hints.

Remember on a test/quiz you only get ONE submission! So use the homework for practice and get the answer correct the first time (don't use submissions to check your work, practice checking your work yourself).

For those that think the homework is too challenging, I think you should look at the homework stats to see that vast majority of the class comfortably completed the homework. The level is appropriate. You should expect about 3-4 hours of homework each week for this class. This is a college class and you will have to put in quite a bit of work on your own. In order to do well in this class, you have to get past blaming the system and find a constructive way to work and think so you can do well in the course. You can all do this and I want you to do well. Also remember, I am your ally. I am trying to help you do well in this course. The majority of the students I have worked with in office hours and chatted with via email are respectful and we are on the same page, I'm just hoping we all can get on the same page and have a great quarter.

I hope you find these newsletters to be helpful.

See you in class.

Dr. Andy Loveless