Math 019 C - Fall 2017
Exam 1 Information

Exam 1 will be in class on Wednesday September 27. It will cover the material covered in class from the beginning of the semester to Monday September 25, inclusively (Homework 1 through 9 and Quizzes 1 through 9).

Please read these instructions carefully, as not heeding them will constitute a breach of the UVM Code of Academic Integrity:

- You may not use any notes or book during the exam.
- You may not access your cell phone during the exam for any reason; if you think that you will want to check the time please wear a watch.
- The work you present must be your own.
- Finally, you will more generally be bound by the UVM Code of Academic Integrity, with which you should familiarize yourself if you haven't already.

You will be asked to acknowledge that you have read these instructions on the first page of the exam.

For each problem, you should write down all of your work carefully and legibly to receive full credit. For each question, you should use theorems and/or mathematical reasoning to support your answer, as appropriate. Failure to show your work on a problem may earn you a score of zero.

Facts about Exam 1:

- When computing a horizontal asymptote, you **must** use the method given in class (using limits) or a substantially similar method. Using a trick from high school will earn a score of zero.
- The solutions to the Exam 1 Practice will be posted on Sunday evening. Please do not hesitate to email me if I forget at that time, but please do not email me for solutions before then.
- You should not need a calculator for Exam 1, but you can have one if you wish. You may **not** use a cell phone calculator, so please make sure that you have a legal calculator (TI-84 or less) if you think you will want one.
- All of the exam problems are substantially similar to problems from the quizzes, the assigned homework, and the practice exam.
- On the exam, the problems will be roughly arranged in chronological order of when we covered them. The exception are the last few problems, which are meant to be challenging; if you find yourself blanking on them return to easier problems to double-check your answers rather than spending all of your time on the last problems. It will be possible to get an A- in the class without solving every problem on every exam.
- The practice exam is slightly longer than the actual exam to give you practice with more problems. You should still aim to be comfortable solving its problems in 50 minutes.

How to study for Exam 1:

- There will be plenty of "easy" problems on the exam. Focus on knowing the basics well before you tackle more difficult problems. You will get a better score overall if you do well on the easier problems than if you end up doing kind of poorly on everything because you are missing the basics.
- To study, you should begin by finishing all of the homework that has been assigned in the class and solving all of the quizzes that were given in class.
- Once you have finished the homework, you can challenge yourself on MyMathLab by entering the "Practice" version of a homework set and working questions you struggled with or got wrong on the original homework. You can ask for a similar problem with different numbers as often as you want.

- If you significantly struggled with one or more quizzes, repeat those quizzes at home by printing the blank copy and administering the quiz to yourself as if you were in class.
- I recommend that you try the Exam 1 Practice only after you have spent some time studying using the homework and quizzes as above. There is only one practice exam, so don't waste it at a time when you are not ready to take it. Take it when you feel you have a good chance of doing well.
- After you have taken the Exam 1 Practice, look at the solutions and use MyMathLab to practice more, if necessary.
- You should spend a large amount of time pretending like you do not have access to solutions. Struggling with the problems is the only way to learn. You should only look at the solutions after spending *at least* three separate ten-minute periods thinking about a problem.
- This goes double for the practice exam. You should solve it like a real exam (i.e. without the solutions!) and force yourself to sit with it for the full length of it, even if you think you cannot answer any more questions.

You will not be given any formulae for the exam.