Math 141 Exam 2: 6:00-7:15 pm, Tuesday, March 26, 2019

Sign up for Conflict Exam in class (pink form)
Sign up for Makeup Exam in class (yellow form)

Exam Night
1. KNOW your instructor’s name
2. KNOW your section number
3. KNOW your exam location/time

Questions? Read the syllabus and/or ask your instructor

Exam Information:
- 8 multiple choice questions, each worth 5 points (Answer on scantron)
- 5 true/false questions, each worth 2 points (Answer on scantron)
- 5 multiple choice questions, each worth 3 points (Answer on scantron)
- 3 questions on which you may earn up to 35 points total. (Answer in your test booklet-work must be shown for credit)

Chapter 6: Section 6.8
A successful student will know all indeterminate forms (6.8) and, after careful checking of form, will be able to apply L’Hospital’s rule to find limits.

Chapter 7: Section 7.8
A successful student will know all types of improper integrals (7.8), and will be able to integrate and take limits to determine if an improper integral converges or diverges. Proper form and process is imperative.

Chapter 11: Sections 11.1 – 11.7
A successful student will

- be able to identify and compare different types of sequences.
- be able to determine if a sequence diverges or converges (and if so, to what).
  Note: JUST TAKE A LIMIT!
- recognize famous series in standard and non-standard form.
- know and check required conditions for each test.
- be able to determine on inspection the appropriate test or theorem to use to determine if a series converges or diverges.
- be able to apply the appropriate test to determine if a series converges or diverges.
- develop the ability to look (carefully) at many (but not all) series and know if they diverge or converge.
- be able to determine if a given series converges absolutely, converges conditionally, or diverges.

CAUTION: Doing sample exams alone will NOT be enough to do well on this exam.

Study Suggestions
1. Redo every example in your notes
2. Work examples in the text
3. Rework textbook exercises, particularly those that gave you difficulties
4. Review the Additional Resources on the departmental website.
5. Do the Practice Quizzes and Practice Exams on Canvas, if made available by your instructor
6. Do the Sample Exams from the Departmental Website. Try to do the exams with no notes, no calculator, no text in a quiet place with no interruptions. Time yourself; give yourself 75 minutes for each exam. Grade the exam.