

Math 242-011 Exam 3

Wednesday, May 6 during class time.

The exam will test for the following material

1. Sequences, Section 11.1
2. Series, Section 11.2
3. The Integral Test, Section 11.3
(do not include estimating the sums)
4. The Comparison Test and the Limit Comparison Test, Section 11.4
5. The Alternating Test, Section 11.5
(do not include estimating the sums)
6. Absolute Convergence and the Ratio Test, Section 11.6
(do not include the conditional convergence and the root test)
7. Power Series, Radius of Convergence, Section 11.8
8. Representation of a Function as Power Series, Section 11.9

- Make sure you understand all the problems of **Homework 5** and **Homework 6**.
- Make sure you **do all the problems** I assigned from 11.8-11.9.
- You can practice with some of the problems 1-38 on page 722.
- If you have any questions come to see me or your TA.

Rules of the exam

- Bring a **BLUE BOOK**. It is a must!
- The summary sheet with of convergence tests will be provided; it will be attached to the exam.
- Calculators are NOT allowed to be used in the exam.
- The book and notes must remain closed during the exam.