Test #3 Preparation – Math 221 AL1 Fall 2011

- The test covers Section 5.1-5.5, 6.1-6.3.

- Be able to do all assigned homework.

- Know definitions (be able to state them):
  o Definite Integral – it is okay to use Theorem 4 on page 374 (368 for 6th edition) as the definition.
  o Indefinite Integral: $\int f(x)\,dx$ is the family of all antiderivatives of $f(x)$

- Be able to state theorems (being sure to get the hypothesis (if) and the conclusion (then)):

- Chapter 5 Review, p. 415 (408 in 6th edition)
  o Concept Check: all
  o True-False: all except 9, 10
  o Exercises, if you want practice beyond the homework: any of the odd numbers from #1a, 5, 7, 9-37, 43-47, 57, 59, 61, also 2b and 8.

- Chapter 6 Review, p. 457 (446 in 6th edition)
  o Concept Check: 1-4
  o Exercises, if you want practice beyond the homework: any of the odd numbers from #1-15, 19-25.

The test is Wed. Nov. 30, 9:00-9:50 in 114 DKH. No calculators, books or notes.