MATH 1220
Calculus II, Fall 2007
Midterm II

Time: Tuesday, December 11 6PM-8PM

Directions: The same rules as the Midterms:

- Show all your work.
- You may refer to one double-sided sheet (8.5in x 11in) of notes during the exam and nothing else.
- Calculators are not allowed.

Questions: There will be 9 questions on the exam, plus a take-home portion to be handed in (see schedule on website). The nine questions on the exam itself will be on the following topics (some questions may include more than one problem of similar type)

1. Integration techniques I (Chapter 7 and 8.3–8.4)
2. Integration techniques II
3. Limits of indeterminate forms (8.1–8.2)
4. Convergence/Divergence of infinite series I (9.2–9.5)
5. Convergence/Divergence of infinite series II
6. Power series (9.6–9.7)
7. Taylor series (9.8–9.9)
8. Conics (10.1–10.3)
9. Parametric equations (10.4)

Note: do not neglect reviewing important topics from Chapter 6 that will pop up within the test questions. You should know how to deal with exponential functions, logarithmic functions, inverse trig functions, and hyperbolic functions, and you should be able to take derivatives of any elementary functions.