Notes on Exam 2, Math 141, Fall 2005

1. Exam 2 is Tuesday, September 27. Exam 2 covers sections 1.1, 1.3, 1.4, 1.5, 1.6, 1.8, 2.1, 2.2, 2.3, 2.4, 2.5, and 2.6.

2. The material on the old 141 exams which is covered on your exam 2:
   (a) Exam 1's:
       05: 1, 2, 3, 4, 5, 6, 7.
       00: 1 abc, 2, 4, 5ab, 7, 8.
       99: 1, 3ab, 7, 8abc, 9.
       96: 1abc, 2, 4.
       95: 1, 2ab, 3ab, 4, 6, 9, 10, 11, 12.
   (b) Exam 2's:
       00: 4, 5abc, 7.
       99: 2, 5, 6abc.
       96: 1abc.
       95: 1, 3.
   (c) Final Exams:
       00: 1ab.
       99: 6ab, 10.
       96: 1ab, 6, .
       95: 1ab, 3abc.

3. The material on old 142 exams which is covered on your exam 2:
   (a) Exam 1's:
       98: 4.
       00: 5, 8.
       01: 9.
       02: 5, 9.
       Spring 04: 8.
       Fall 04: 6, 9.
   (b) Exam 2's:
       00: 9.
       01: 10.
       02: 8.
       Spring 04: 7.
       Fall 04: 1, 5.
   (c) Exam 3's:
       02: 1 (This problem is the same as "Find $\lim_{n\to\infty} n\sin(\frac{1}{n})$"), 2 (This problem is the same as "Find $\lim_{n\to\infty} \left(\frac{n-1}{n+1}\right)^n$").

Spring 04: 8, 9 (This problem is the same as "Find $\lim\limits_{n \to \infty} \left(\frac{n-1}{n+1}\right)^n$ ").

Fall 04: 6, 7 (This problem is the same as "Find $\lim\limits_{n \to \infty} \left(\frac{n+3}{n}\right)^n$ ").

(d) Exam 4's:

02: 1 (This problem is the same as "Find $\lim\limits_{n \to \infty} n \sin\left(\frac{3}{n}\right)$ ").

Fall 04: 1 (This problem is the same as "Find $\lim\limits_{n \to \infty} n \sin\left(\frac{1}{n}\right)$ ").

(e) Final Exam's:

98: 11.

02: 8 (This problem is the same as "Find $\lim\limits_{n \to \infty} \left(\frac{n-3}{n}\right)^{3n}$ ").

Spring 04: 12 (This problem is the same as "Find $\lim\limits_{n \to \infty} \left(1 - \frac{1}{3n}\right)^n$ ").

Fall 04: 14 (This problem is the same as "Find $\lim\limits_{n \to \infty} \left(\frac{n-1}{n}\right)^n$ ").