Exam 1 covers sections A, D, 1.1, 1.2, 1.3, 1.5, 1.6, 2.1, 2.2, 2.3, 2.5, 2.6

1. Chapter 1 Review, p. 78: T/F Quiz ALL, Exercises 1, 2, 5-8, 17, 19, 23, 24, 25, 26
2. Chapter 2 Review, p. 177: T/F Quiz 1-12, Exercises 1, 2, 3, 4, 5, 17, 18, 31, 32, 37, 39
3. Your exam will contain TWO Calculus Skills No Partial Credit problems (Skills Questions). One will come from 2.3 and the other will come from 2.6. These can be found at http://calculus.math.rpi.edu
4. There will be 5 True-False Questions on your exam coming from the end-of-chapter reviews. I may change the wording on the questions and thereby also change them from True to False or vice versa - so be sure to read these carefully on your exam.
5. 60 - 70 % of this exam will be focused on Chapter 2 material.
6. For Limits: The section number will not be included with any limit that I ask you to calculate (including Skills Questions.) You will need to be able to recognize what techniques to use on a given problem.
7. For Limits & Continuity: You should be able to graphically and analytically determine limits and continuity (domain, range, invertibility as well) of a function.
8. Appdx D: Make sure you are comfortable with radian measures of angles. In particular, you should be comfortable evaluating trig functions at 0, $k\pi/6$, $k\pi/4$, $k\pi/3$, $k\pi/2$, and $k\pi$ for $k$ any integer positive or negative.
9. Problem types I did not find in the Review Exercises that I may ask on the Exam:
   (a) D p A32: 29-34 - find remaining trig ratios, 65-72 Find all values of x in [0, $\pi$]
   (b) 1.3 p 45: 1 - write equations for the graphs that are obtained by shifting/reflecting/stretching/shrinking $f$.
   (c) 1.5 p 62: 13 - write the equation of a graph that results from shifting down 2, etc.
   (d) 1.6 p 74: 63-68 - evaluate inverse trig functions, 70-72 - simplify inverse trig functions
   (e) 2.3 p 111: 1
10. Most problems on your exam will come directly from Suggested Homework problems or from Review problems given on this page.

Directions found on the front cover of your text

- Use of books, notes or calculators is NOT permitted.
- Please show all your work! Answers without appropriate supporting work may not receive full credit.
- Clearly indicate your answers to each problem by underlining them or placing a box around your answers!
- Trigonometric functions at the values 0, $k\pi/6$, $k\pi/4$, $k\pi/3$, $k\pi/2$ and $k$, where $k$ any integer positive or negative, must be evaluated!

T/F answers for end of chapter reviews: