Math 1210-3/4

Monday Feb 3

Exam 1 Wed!

will cover

polynomial calculus
2.1-2.7, 2.9 (meaning of continuity)
3.1-3.5

There are good review problems at the end of each book chapter - check out the T F questions!
Here are some questions of the sort I may ask: (I could also ask TF!)

p. 94-95   # 9, 11 (then use chain rule to differentiate), 19, 27, 32

p. 97   Exercise 3

p. 80   3, 8, 11

p. 105-106   17, 23

p. 156-157   (Sample test Q's)
       1 acf, 3ch, 4, 5, 11, 12, 22, 39, 40, 49
       43 (or 42). Also, can you antidifferentiate from accel or vel to find position?

<u>topics</u>

- functions, graphs, curves
      fcn operations
      trig fcns, identities
      scaling & translating curves
      interpreting a graph
- limits
      intuitive notion
      ε-δ definition
      thms
      computation of limits
          algebraic expressions
          trig expressions
      continuity ←————————————— Let's discuss difference
                                  between continuous & diffble
- derivatives
      limit def.
      interpretations: slope, vel, rate of change etc.
      average rate of change vs. instantaneous
      computing derivs from limit def
      differentiation rules
          sum, product, quotient, chain
      position-vel-accel problems
      & antidifferentiation