Integrated Calculus I, Spring 2004
Homework Assignments
Homework 1, due Monday January 12th

• Read Chapter 1.

• Do the following book problems, to be handed in during your recitation:
  – Section 1.1: questions 24, 28.
  – Section 1.2: questions 24, 36, 40.
  – Section 1.3: questions 10, 20, 28.

Homework 2, due Wednesday January 21st

• Read Chapter 1.

• Prepare for the quiz this Friday: functions, composition, rates of change and limits.

• Do the following book problems, to be handed in at the beginning of class:
  – Section 1.4: questions 6, 8, 12, 16.
  – Section 1.5: questions 4, 14, 18 parts a to d, 40.

Homework 3, due Monday January 26th

• Read Chapter 2 up to section 2.4.

• Review the solutions to quiz one.

• Do the following book problems, to be handed in at the beginning of the recitation:
  – Section 1.6: questions 14, 16, 22, 34.
  – Section 1.7: questions 4, 12, 17, 32.
  – Section 2.1: questions 2, 8, 26, 28.
Homework 4, due Monday February 2nd

- Our class is moving to BE621 as of noon this Friday 30th January, I believe: check there before coming over to Thackeray 703.

- Read Chapter 2 up to the end of section 2.7.

- Prepare for quiz 2, this Friday.
  Topics: basic derivatives, tangent lines, linear approximations.

- Prepare for exam 1, next Friday.

- Do the following book problems, to be handed in at the beginning of the recitation:
  - Section 2.2: questions 2, 4, 8, 22, 34.
  - Section 2.3: questions 4, 6, 10, 14, 36.

Homework 5, due Monday February 9th

- Our class is now permanently in 621BE.

- Read Chapter 2 up to the end of the chapter

- Prepare for exam 1, this Friday.
  Topics: basic derivatives and derivative rules, including the chain rule, tangent lines, linear approximations, limits, vector derivatives.

- Do the following book problems, to be handed in at the recitation:
  - Section 2.4: questions 12, 18, 20, 28.
  - Section 2.5: questions 2, 6, 14, 18, 42, 44.