1 Assignments

All numbers below refer to the textbook: Calculus Concepts and Contexts, J. Stewart, 4th Ed.

- §13.4: 3, 7, 9, 11, 13, 17;
- §13.6: 3, 7, 9, 17, 21, 25, 27, 41;
- §13.7: 5, 7, 9, 15, 17;
- §13.8: 1, 7, 9, 13, 17, 19.
- Extra credit
  - §13.4: 21, 22, 25, 27, 30, 31;
  - §13.5: 33, 39;
  - §13.6: 31, 35, 47;
  - §13.7: 16, 19;
  - §13.8: 25, 27, 29, 30, 31, 32.

Boldfaced problems weigh 2 points each and all other problems 1 point each. A random subset of the assigned problems with a total of 20 points will be graded.

2 Directions

A solid understanding of Chapter 13 should be based on proofs instead of “plugging-in-forms-and-getting-results.” However, you have the freedom of not caring about a solid understanding, so I have made the interesting problems extra-credit.

Additional 25% credits will be given to you if you typeset your solutions in \LaTeX. You can also get partial extra credit for typesetting solutions of some problems.

From those of you who uses \LaTeX, I will select a winner and base the released solution on her/his \LaTeX source. The criteria will be

(i) correctness,
(ii) number of extra credit problems finished,
(iii) the logical flow of explaining the steps.

The homework winner will get another 25% extra credit.

Note: Please send me your latex source (.tex) via email if you typeset your solution in \LaTeX and would like to participate in the competition for the 25% extra credit.