

**Numerical Analysis Maple Project 3**  
Due October 21, 2002

**Instructions:** Use a word processor to create a single text file with Maple procedures implementing Newton's method (as laid out in the algorithm on page 67) and the Secant method (as in algorithm on page 71). Each procedure must use type checking and return a value using the **return** statement. Read the file into Maple and test each procedure. Turn in the following:

- 1). A hard copy showing only your reading in the text file and testing the procedures.
  - 2). An email message with your text file attached so that I can test your procedures.
  - 3). A hard copy of your text file.
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1. Solve parts b and d of exercise 5, page 75, by implementing Newton's method in Maple. Follow the algorithm on page 67.
  2. Use Newton's method for problem 1c, page 85.
  3. Repeat problem 1 using the Secant method (as algorithm on page 71) as your solver.

<b>Note:</b> I expect you to work alone on this assignment. If you need help, please talk to <i>me</i> .
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