

## COMPUTER ASSIGNMENT #2

MATH 217 – SECTION 4

**Due on February 23rd. But get started early.**

Choose one of the three maple worksheets found at the following location.

- <http://www-personal.umich.edu/~kschwede/math217/Worksheets2/>

I would encourage you to work through the other worksheets as well, just so you understand how to do them. However, after you've done one of them, type up a  $\frac{1}{2}$  to 2 page professional (typed) write-up (you may hand-write mathematical parts if you'd like), which does the following

- (i) Explains what the question is about briefly.
- (ii) Answers the questions posed in the worksheet correctly.
- (iii) Explains how you used Maple to answer these questions.

I am *NOT* interested in the following

- (i) Printing out a copy of the Maple worksheet.
- (ii) Large amounts of Maple code that are *NOT* directly referenced in your write up.
- (iii) Copying background information from a website and including it in your report. If you wish to include additional information, summarize what you find and how it relates in a paragraph or two of your report.

If you do all of this, you'll get an 16/20 on this homework. To get a 20/20, you must go above and beyond in some way. For example, you could

- (a) do a little additional related research and relay that in a paragraph or two of your report (cite your sources),
- (b) do a really really good write-up,
- (c) ask and answer some related questions which you think are natural (like try doing things in two different ways).

NOTE: You may choose a partner to work with. If you do so, the two of you only need to turn in one report.

If anyone is interested in using LaTeX to type up their reports, I'd be happy to help. LaTeX is a program for technical writing (with lots of math symbols etc.). If you are majoring in mathematics, computer science, or physics, it probably wouldn't be a bad idea to learn LaTeX.