# ASSIGNMENT 2

**Instructions**
This is a choose your own adventure problem set. There are 40 problems listed below. Point values are listed next to each problem (241 total points). You should pick some problems and write up the solutions to them. How many is (somewhat) up to you. I will mark problems on your assignment sheet totalling up to 109 points. Please place your answers in order, and please include a cover sheet telling me which problems you've attempted for marks. Max score possible on this assignment is 100.

As of **23:59 Sunday Oct 8th**, you need to have submitted your write-up for your problems to the Canvas site. The marks for the write up will be based on the following (same as your thesis):

- evidence of understanding
- clarity, style and presentation
- mathematical expertise.

A couple more remarks:

- You can use whatever you like to solve these problems, however what you write up should be your own understanding.
- You also need to be academically honest about the sources of your work. You should include a sources page where you've listed anyone or anything that you might have used or talked to when working on these problems. If you're not sure whether or not to include it in the sources page, you should include it.
- I am happy to discuss these problems. If I can help out I will.

From Griffel Ch 3, 7 & 8:

- pp 78-82. Questions: 3.6 (10), 3.8 (5), 3.10 (10)
- pp 206-209. Questions: 7.2 (5), 7.3 (5), 7.4 (5), 7.5 (5), 7.7 (7), 7.8 (7), 7.9 (7), 7.10 (5) ("sketch" = use a computer) 7.12 (5), 7.13 (7), 7.15 (10), 7.17 (7) , 7.18 (10), 7.19 (7), 7.22 (7)
- pp 235-239. Questions: 8.4 (10) , 8.9 (5), 8.10 (7), 8.13 (10), 8.14 (10), 8.17 (5), 8.20 (7),
- pp 377-378. Questions: 7.28 (10)

From Olver Ch 7 & 8:

- pp 280-283. Questions: 7.3.4 (5), 7.3.5 (5) , 7.3.7 (10), 7.3.11 (5)
- pp 303-304. Questions: 8.1.4 (10), 8.1.17 (5), 8.1.18 (5), 8.1.19 (5), 8.1.20 (5),