**Homework 4**

**Due:** Wednesday, September 30, 1:00pm

**Math 420/CS 310, Toews**

**Fall, 2015**

**Note:** You will need some software to solve a few of these problems. Please put your code into a Python Notebook called `YOURNAME_code_hw4.ipynb` and submit this to your Dropbox. (To the greatest extent possible, I’d like you to do your work in this class in Python—Wolfram Alpha, Sage, etc. are all good tools, but I’m trying to hone your skills in scientific computing, and Python is a good language for that.)

**Textbook problems:**

- Page 60, Exercise 2.1
- Page 62, Exercise 2.4
- Page 64, Exercise 2.6
- Page 65, Exercise 2.7
- Page 66, Exercise 2.8