

# Homework Five

## Chaos and Fractals

### College of the Atlantic

Due Friday, October 13, 2023

There are two parts to this assignment!

**Part 1: WeBWorK.** WeBWorK has returned! Do homework 05 on the [WeBWorK page](#). I recommend doing the WeBWorK part of the homework first. This will enable you to benefit from WeBWorK's instant, if not necessarily friendly, feedback before you do part two.

**Part 2: Problems from the Textbook.** Here are some instructions for how to submit this part of the assignment.

- Do the problems by hand using pencil (or pen) and paper. There is no need to type of this assignment.
- Make a pdf scan of your work using genius scan or some similar scanning app. Please make the homework into a single pdf, not multiple pdfs.
- Submit the assignment on google classroom. Please don't email it to me. (Between my two classes I will be receiving around 55 assignments a week. Keeping track of them all in email is challenging.)

Here are the textbook problems, all from Chapter 16. The problems are listed in non-numerical order on purpose. I think it might make the most sense to do the problems in the order below, not in the order in which they appear in the textbook.

- Chapter 16, problem 5
- Chapter 16, problem 6
- Chapter 16, problem 9
- Chapter 16, problem 3
- Chapter 16, problem 7
- Chapter 16, problem 8. Optional. Fun. Challenging. Mindbending. If you do this problem, you will never be the same again.