

Homework Two

Chaos and Fractals

College of the Atlantic

Due Friday 14 January, 2022¹

There are two parts to this assignment.

Part 1: WeBWorK. Do Homework 02 which you will find on your [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 45 assignments a week. Keeping track of them all in email is challenging.)

There is just one textbook problem this week:

- Chapter 5, problem 5.2, page 42.
- Chapter 5, problem 5.6, page 43.
- Chapter 5, problem 5.7, page 43.
- *Optional:* Chapter 6, problem 6.8., pages 50–51.

For the problems from chapter 5, it might be easiest to print out the graphs from the book and write on them when doing graphical iteration.

¹If you need more time, that's ok. Just let me know. Thanks!