

Homework Three

Chaos and Fractals

College of the Atlantic

Due Friday, April 17, 2026¹

There are two parts to this assignment.

Part 1: WeBWorK. Do Homework 03 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.

Here are the textbook problems:

- Chapter 9, problem 9.5
- Chapter 9, problem 9.7
- Chapter 11, problem 1
- Optional: Chapter 7, problem 9–11. These problems have you investigate fixed points and cycles for the logistic equation using a modest amount of algebra.

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