

This lab involves Project 1 (Quabbin Reservoir) at the end of Chapter 7 of your textbook. Please bring your textbook to lab. For this lab, you will work in groups of two or three, but you will each submit your own lab report, which is due 7pm Thursday November 17. Please bring a hard copy of your report to lab on November 17.

Groups for Lab 11:

Yohann Ben Luis	Nathaniel Min Ah Connor	Gretchen Shelby Garner	Joel Edgar Justin	Cristian G. Robert Christian A.
Mitchell Grace Becca	Aaron Alan Jordan	Zoe Jacob D. Kelly	Jacob G Jackson	

Goals of Lab 11:

1. To to interpret graphical data about the flow of water in and out of the Quabbin Reservoir in 2007
2. To write a clear, concise, compelling summary of your results

Written Report:

Explain the project to an (imaginary) calculus student at another college. Your responses to the questions in the book will be the basis for your lab report. You should not assume, however, that the reader will have a copy of the book in front of them. Use principles of good mathematical writing, as in described in Guide to Writing Mathematics. Each student will hand in a report.

1. Start your write-up with a recap of the given information, including a sketch of the graph in the book.
2. Before you present your graph from (a), briefly explain how to obtain a graph of the quantity of water in the reservoir, given graphs of the inflow and outflow.
3. Present your graph from (a).
4. Using complete sentences (and making sure to restate the questions in your answers), give your answers to (b) and (c). Refer to labeled points on the graphs you have included.
5. Before you present your graphs from (d), briefly explain how to obtain reasonable graphs for the flow of water in and out of the reservoir for the first half of 2008.
6. Present your graphs from (d).

Evaluation: I will evaluate your reports based on (1) presentation: legibility, neatness, readability of graphs, (2) clarity of writing: explanation of the problem, descriptions of graphs, use of correct spelling and grammar, use of complete sentences, (3) mathematical correctness.