

Newberger, MATH 112, Spring 05

Homework: Models using exponential functions

Due Tuesday, April 26.

These problems deal with verbal descriptions of models. Read the problems carefully, making sure to use the information in the problem in a way that makes sense. If you are given a time for example, make sure you are plugging it in for a variable that stands for time!

- I. Problems page 394 #58, 60, 61 and 63 are models of physical situations that involve an exponential function. For each problem, write a sentence describing what the function yields, including what the units on the answer are, and what the variable stands for. Then answer the questions given in the problems.
- II. Problems page 408 #77, 78, 80 are models of physical situations that involve a log function. For each problem, write a sentence describing what the function yields, including what the units on the answer are, and what the variable stands for.