NAME: ________________________________

DATE ON WHICH YOU TOOK EXAM: ________________________________

STARTING TIME: ________________________________ END TIME FOR TAKING EXAM: ________________________________

LIBRARY IN WHICH YOU TOOK THE EXAM: ________________________________

You have 2 hours to take the test. You must take the test in one sitting. You must take the test in a library.

WRITE ALL YOUR WORK ON THE TEST PAPERS.

During the test, you may use a 3”x5” index card with notes written on one side. When you are done the test, staple the index card to the front of the exam. You may use a calculator but only to do calculations; not to take derivatives and not to draw graphs.

You must show your work. Your goal in writing your solution is to convince the skeptical reader that your answer is correct. Answers given without justification will not receive full credit. Be careful to state your final answer at the end of a question.

The test has 5 questions on 11 pages (including this cover page). The exam is out of 110 points.

If by chance there is a mistake in a question or something does not make sense, do the best you can and explain what you thought the question was asking.