

Carthage Mathematics Department

Computer Literacy Assessment

The Mathematics Department believes that computer literacy is especially important for students of mathematics. For this reason, we incorporate computer applications into many of our courses. To assess our effectiveness, we would appreciate it if you would complete the following activities as well as you can. Please answer all questions to the best of your ability. ***Please read the entire page before you begin - it will save you time!*** Thank you for your help!

1. Operating a computer
 - a. Power up a computer.
 - b. Create a folder on the hard drive named “assessment”.
 - c. Look for the software needed to complete this test.

2. Mathematical Software - You may use any available software to perform the tasks below.
 - a. Find the average (mean) of the numbers listed below. Save the results in a computer file in the assessment folder you created. Name the computer file “mean question”.
97, 96, 94, 93, 90, 88, 87, 82, 79, 78, 77, 70, 69, 68, 55, 42, 23, 11
 - b. Plot a graph of $y = x^3 - 2x$ over the interval $[-2, 1]$. Save the graph in a file named “graph question”.

3. Telecommunications
 - a. Locate and start an Internet browser.
 - b. Open the Carthage web page. Find Dr. Wheeler’s official faculty web page complete with biography and picture (not his personal web page).
 - c. Send e-mail containing your name and permanent e-mail address (if you have one) to Dr. Snavelly.

4. Software interaction
 - a. Copy Dr. Wheeler’s picture and biography into a word processor document, and format the document as you wish.
 - b. Copy the graph from question 2b into the word processing document with Dr. Wheeler’s biography.
 - c. Save this document in the Assessment folder, naming the document “final question”.

5. Copy the assessment folder onto the floppy disk provided.

Thank you again for helping us in this important assessment process. If there is anything we can do for you in the years to come, don’t hesitate to contact us. In fact, keep in touch whether you need a favor or not!