MAT 101 — Introduction to Computer Programming (C++)

Handout #22, April 26, 2005

Today's tasks:

1. Materials Return

2. Exam Next Tuesday May 3rd, 2005. Review on April 28th.

3. Classwork: Testing a class using a main. The main you will write (or have written) is often called a driver program. Driver programs are often used to test out functions to ensure that they are working properly. Typically each function is tested for correctness separately by getting input, using the function, and demonstrating the result.

   - Implement the class in code.
   - Add a 'main' to test the class which has the following:
     - Create two variables a and b of type Point.
     - Prompt the user to input.two floats.
     - Use your 'set' function to set the x and y values of the Point a to the input
     - Output Point a by using your get functions.
     - Prompt the user to input two more floats
     - Use your 'set' function to set the x and y values of the Point b to the input
     - Output Point b by using get functions.
     - Now, prompt the user to input yet another two floats
     - Use your 'translate' function to translate Point a and Point b by these two floats.
     - Output Point a by using your get functions.
     - Output Point b by using get functions.