

ECE G205 Fundamentals of Computer Engineering
Fall 2003

Homework 8: Due by Wednesday November 26 2003

- This test contains 1 problem which allows you to earn 100 points.
- Show your work, as partial credit can be given. You will be graded not only on the correctness of your answer, but also on the clarity with which you express it. **Be neat.**
- **No late submissions will be accepted.**
- Only homework returned in a 9in × 12in envelope will be accepted. (If you cannot find such envelope, ask the Instructor.) Please, write your name and the class name (ECE G205) on the envelope (write clearly, please).
- An e-mail to the TA should be sent that contains the code and the executable of a (single) program that implements the solutions to the problems as functions.

Write your name here: _____

- **Problem # 1 [100 points]**. Implement the Dijkstra algorithm in C++ using the C++ Standard Template Library containers `vector` and `deque`.