Please don't forget to photocopy the handout in advance!

Before class, please review the lecture slides found here:

https://www.cs.umd.edu/class/fall2011/cmsc132/lectures/Week12/GraphTraversal.pdf

https://www.cs.umd.edu/class/fall2011/cmsc132/lectures/Week12/DijkstrasAlgorithm.pdf

This material was presented in the lecture, but they need to practice.

1. Review the algorithms for Breadth First Search and Depth First Search.

Important: Be sure to explain that given a particular graph there are many different

ways to perform each of these algorithms, depending on which nodes you choose at each

juncture. On quizzes/exams we are going to insist that whenever there is a choice,

nodes are visited in "alphabetical order". See the handout to understand what I mean.

Be sure to study my solutions to the handout to make sure you are presenting

this correclty. Please go over an example of BFS and an example of DFS (use a

different graph from the one on the handout).

3. Review Dijkstra's algorithm using a graph different from the one on the handout.

3. In the last 15 minutes or so have students work on the handout and then quickly go over

the solutions.