CS302 Data Structures
Spring 2010 – Dr. George Bebis
Homework 6 - Due Date: 4/20/2010

1. Exercise 9 (page 599)

2. Exercise 11, 12, 13 (pages 600, 601) To get credit, demonstrate DFS and BFS like in the examples we did in class.

3. Exercise 19 (page 537)

4. Exercise 24 (page 603)

5. Given the graph below, solve the single-source shortest path problem (source = A) using (a) Dijkstra's algorithm and (b) Bellman-Ford's algorithm. To get credit, show the steps of each algorithm carefully (i.e., like in the examples we did in class).