This quiz is out of 10 points: 2 for your name and 8 for answering the questions correctly. Clearly indicate your answers by putting a box or circle around them. There is no partial credit on this quiz. You have 10 minutes to complete this quiz.

1. (4 points)

Write the order the vertices in the above graph are visited by breadth first search starting from vertex A assuming neighboring vertices are visited in alphabetical order.

Write the order the vertices in the above graph are visited by depth first search starting from vertex A assuming neighboring vertices are visited in alphabetical order.

2. (4 points)

Write, in order, the distances assigned to vertex V, when Dijkstra’s algorithm is run starting from vertex A.