

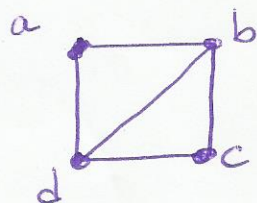
BBM 205 - Discrete Structures

Quiz 7 - 5.12.2018

Name:

Student ID:

1. (6 points) Find the number of walks of length 3 between a and c in the following graph by using the adjacency matrix of the given graph.



2. (6 points) Show by using induction on the number of vertices that the number of edges in a tree is one less than the number of vertices in a tree.



3. (6 points) Show that if a graph is bipartite, then it does not contain any odd cycle.