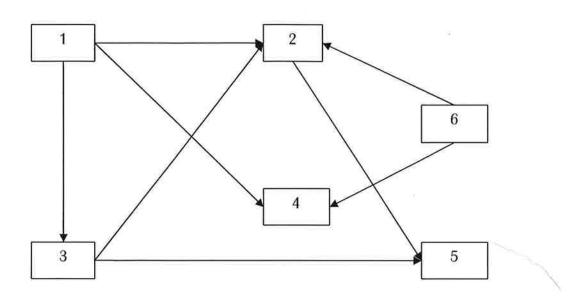
NAME: Answer

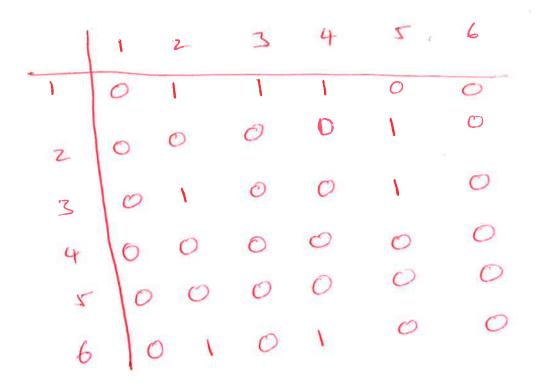
CSCI 340-3

Quiz 12 Closed Book & Notes

Fall 2017

1) For the following digraph, show the adjacency matrix.





2) Consider the following weighted digraph with the given weight factors: w(0, 1) = 3, w(0, 2) = 15, w(0, 3) = 4, w(1, 2) = 5, w(1, 4) = 8, w(1, 5) = 12, w(2, 4) = 2, w(4, 2) = 3, w(4, 5) = 8, w(5, 3) = 7 in the following figure. Find the shortest distance from node 0 to every other node in the graph.

