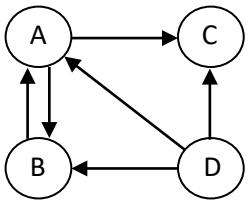
PageRank & HITS Name _____

Intro to Web Science

10 points

Use the web graph on the right to answer the following questions. Show all your work to receive partial credit. Round to 3 decimal places in all your answers.



1. Using a teleportation probability of 0.15, setup the matrix calculations for computing the PageRank of the nodes in the web graph. Calculate the PageRank for each node after one iteration.

2. Setup the matrix calculations for computing the hub and authority scores for the nodes in the web graph. Use all 1's for the initial hub scores. Calculate the hub and authority scores after one iteration.