

Name: _____

Math 203: Contemporary Mathematics

Quiz 7: Thursday, February 5, 2009

The following two questions are worth up to 3 bonus points each. These points will be based on the accuracy, completeness, and clarity of your responses. Use full sentences, and avoid saying things that are untrue, ambiguous, or nonsensical. You may use your book or any notes that you have.

- Draw a tree that has at least one vertex of degree 3 or greater.
 - Does the tree that you drew have a Hamiltonian path? If so, give an example of a Hamiltonian path in your tree. If not, explain why not.

- [Section 6.2, problem 12.] Find three different spanning trees for the graph below. (Draw the spanning trees in the space below. Be sure to label the vertices.)

