Network terminology and connectivity

Name: _____ Date: _____

6 questions | 12 marks

1. Edges are AB, AC, BC and CD. Find the degrees of A, B, C and D. [2 marks]

2. For AB, AC, BC and CD, name a cycle. [2 marks]

3. For AB, AC, BC and CD, identify a bridge. [2 marks]

4. An undirected loop-free network has degrees 1, 2, 2 and 1. Find the edge count. [2 marks]

5. Edges are AB, BC and DE. How many components are present? [2 marks]

6. Can A-B-C-B-D be a path when paths may not repeat vertices? [2 marks]