Making the Connection Lesson Assessment

Writing Assessment

1. Explain the concepts of vertex/node and edge as they relate to graph theory.

2. Explain how engineers represent relationships using graph theory.

3. How do engineers apply graph theory in their jobs?

Performance Assessment

4. Given the graph below, create a vertex list, adjacency matrix and adjacency list.
   In addition, create a depth first search (DFS) and a breadth first search (BFS) for the same graph.