

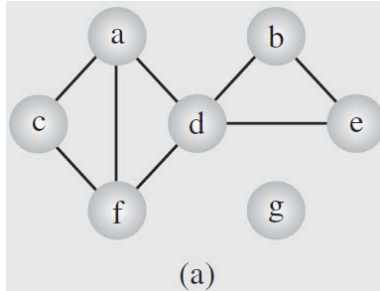
**CS3353: Data Structures and Algorithm Analysis I
Fall 2022**

Review Quiz #9

- Name only: _____
- Release date: Nov 9, 2022 (Wednesday)
- Total 5 pts

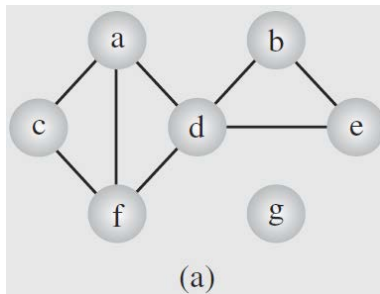
1. Use an adjacency list to represent the following graph.

[1 pt]



2. Use an adjacency matrix to represent the following graph.

[1 pt]



3. Which graph representation is better, adjacency list or adjacency matrix? Use an example to justify your answer.

[1 pt]

4. Traverse the following graph from vertex s using depth-first search and produce a spanning tree.

[2 pts]

