Assignment 5

1. Consider the graph shown in the figure.

2. What is the maximum degree of the following graph?

3. A graph is planar. What is the maximum number of edges?

4. What is the maximum number of odd vertices?

5. Print the graph's planar order sequence?

6. Consider the graph shown in the figure. Which of the following sequences could be DFS order?

7. Consider the graph shown in the figure. Which of the following sequences could be BFS order?

8. Consider the graph shown in the figure. Which of the following sequences could be a topological sort?

9. Determine whether the graph is connected or not.

10. Determine whether the graph is directed or not.

11. Determine whether the graph is acyclic or not.

12. Determine whether the graph is complete or not.