Navigating through Trees and Graphs

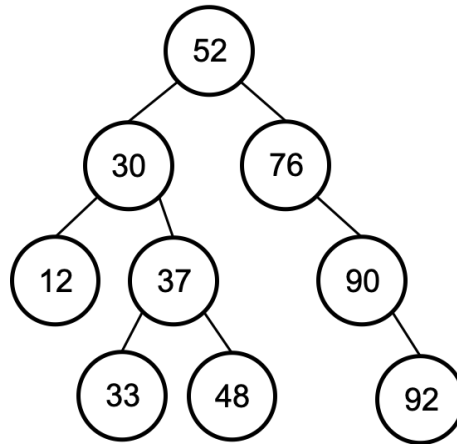Use the Binary Search Tree to answer the following Questions 1-3.

Figure 1: Binary Search Tree

1. What is the pre-order, depth-first search traversal of the tree?

2. What is the in-order, depth-first search traversal of the tree?

2. What is the post-order, depth-first search traversal of the tree?

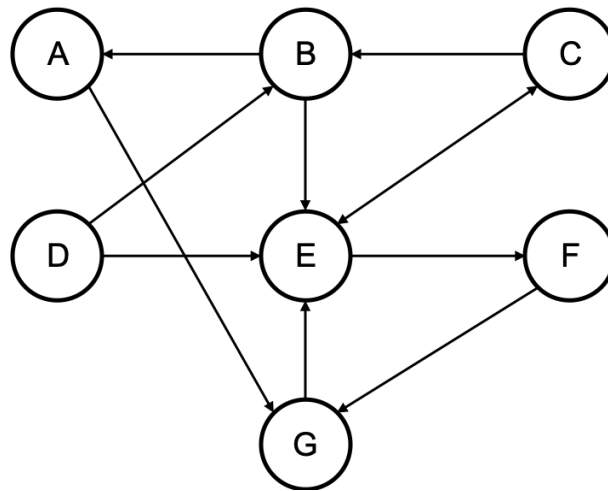Use the graph to answer the following Questions 4-6.

Figure 2: Graph

4. Write the adjacency list for the given graph.

5. Write a Breadth-First Search traversal of the graph beginning at node D.

5. Write a Depth-First Search traversal of the graph beginning at node D.