1. (2 pts) The first node in a linked list is called the ________________ of the list, and the last node in the list has ________________ as it’s next pointer field.

2. (2 pts) In order to make a linked list possible in Java, we use a ________________ which is a class definition containing an instance variable whose type is the class definition.

3. (2 pts) Suppose we have the following method in a linked list definition that we will use to build a stack. Assume that there is a definition for a Node that has a constructor that accepts an object and a Node, and that there is a Node called head in the class definition.

   ```java
   public void add(Object o) {
       head = new Node(o, null);
   }
   ```

   What is wrong with this code? How would you fix it? After the code is fixed, if you have a method to remove Nodes from the list, from which end of the list would they be removed?

4. (2 pts) The top node in a tree is called the ________________ of the tree, and a node which has no children is called a ________________ node.

5. (2 pts) If you added the numbers 10 14 18 5 7 12 to a binary search tree, show how the numbers would appear in the tree.