1. Show the order for the following traversals of tree T by writing the name of each node as it is visited:
   a. Preorder  G  D  B  E  M  M
   b. Postorder  B  E  D  M  M  G
   c. Inorder   B  D  E  G  M  M

2. How many additional calls to preorder are made from preorder(D)? __________

   There are two possible answers, depending on what type of implementation you assume. The first answer is 2, one call for B and one for D. This answer assumes that you check for null pointers before you recursively call preorder. The other possible answer is 6, two for B and D and then two more for each of B and D to find out that the children are null. This answer assumes that you don’t check the pointers before calling preorder on B and D.

3. Is T a full binary tree?   Yes  No   (circle one)
   (circle one)

4. Is T a complete binary tree?  Yes  No  (circle one)

5. T is a binary search tree. Show the tree that would result from inserting the following nodes into T in the order given:  F  B  R  C  J

   G
   D
   B E
   C
   M
   B
   F  R
   J
   M