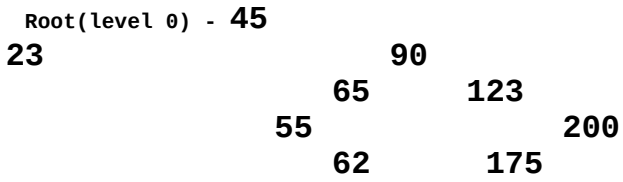
Name : _____ Date : _____

A+ Binary Tree Worksheet 1

Use the following tree for the questions that follow.



Traversal Descriptions – All traversals are recursive methods.

In Order - Left Data Right
Pre Order - Data Left Right
Post Order - Left Right Data
Rev Order - Right Data Left

1. Show the in order output. _____
2. Show the pre order output._____
3. Show the post order output._____
4. Show the rev order output. _____
5. How many levels does this tree contain? _____
6. What is the width of this tree? _____
7. What is the height of this tree? _____
8. How many leaves does this tree contain? _____
9. Is this a full tree? _____
10. How many parents are there is this tree?_____
11. How many levels in this tree are full? _____
12. What is the best case bigO for a binary Tree Search? _____
13. What is the worst case bigO for a binary Tree Search? _____
14. What is the average case bigO for a binary Tree Search? _____