Name : _____   **Date : _____**
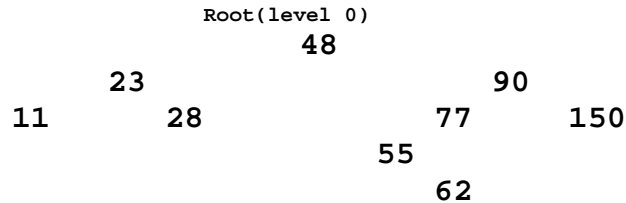
A+ Binary Tree Worksheet 2

Use the following tree for the questions that follow.

```
                        Root(level 0)
                            48
            23                        90
        11      28              77      150
                            55
                            62
```

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? _____