Name : _____ Date : _____

A+ Binary Tree WorkSheet 3

Part 1 : Show the output of each block of code below.

1. What is the output?

```
TreeNode x = new TreeNode(34,
                new TreeNode(13, null,null),
                new TreeNode(57, null,null));


out.println(x.getValue());
out.println(x.getLeft().getValue());
out.println(x.getRight().getValue());
```

2. What is the output?

```
TreeNode y = new TreeNode("50",
     new TreeNode("25",
           new TreeNode("15", null,null),
           new TreeNode("35", null,null)),
     new TreeNode("70", null,null));


out.println(y.getValue());
out.println(y.getLeft().getValue());
out.println(y.getRight().getValue());
out.println(y.getLeft().getRight().getValue());
out.println(y.getRight().getLeft());
```

Part 2 : Complete method `countNodes()`.

Example

```
//original tree
      10
  7       20
2   9    14


countNodes = 6
```

//method countNodes will count how many nodes are present int tree t

```
public static int countNodes(TreeNode t)
{




}
```