Data Structures                                        Name -
Binary Search Tree worksheet #4

1. Write a static recursive method that determines if two trees are similar, that is if two trees have the same exact shape and structure.

```
public static boolean areSimilar(TreeNode tree1, TreeNode tree2)
```

2. Write a recursive method `distance` that returns the distance (i.e. number of edges) between two related nodes.

```
public static int distance(TreeNode node1, TreeNode node2)
```