

CSCE 156 - Lab 15.0 - Binary Search Trees - Worksheet

Names: _____

1. Create a binary search tree and insert the following elements in the following order:
8, 10, 3, 5, 7, 9, 1, 2, 0
 - a) What is the depth of the resulting BST?
 - b) How many leaves are in the resulting BST?
 - c) Give the preorder traversal of this tree:
 - d) Give the inorder traversal of this tree:
 - e) Give the postorder traversal of this tree:
2. Verify that your `findElement` method works correctly: write code in your demo program to search for 8, 0, and 42 (unsuccessful search).

Lab Instructor Signature_____