

Name: _____

Comp 15, Summer 2019

In-Class Activity 6

In regards to the binary tree shown below, and its root is "e",
Identify:

- 1) The children of "e".
- 2) The parent of "b".
- 3) The ancestor(s) of "a".
- 4) The descendant(s) of "i".
- 5) The sibling(s) of "d".
- 6) The leaf (or leaves) of the binary tree.
- 7) The internal node(s) of the binary tree.
- 8) The root of the left subtree of "e".
- 9) The root of the right subtree of "g".
- 10) The depth of "i".
- 11) The height of the subtree whose root is "i".

Perform on the binary tree:

- 12) Pre-order traversal.
- 13) In-order traversal.
- 14) Post-order traversal.

Lastly, 15) Write how you would explain to a person over the phone about characteristics of the tree structure.

