CS 284: Quiz 7 – Fall 2020
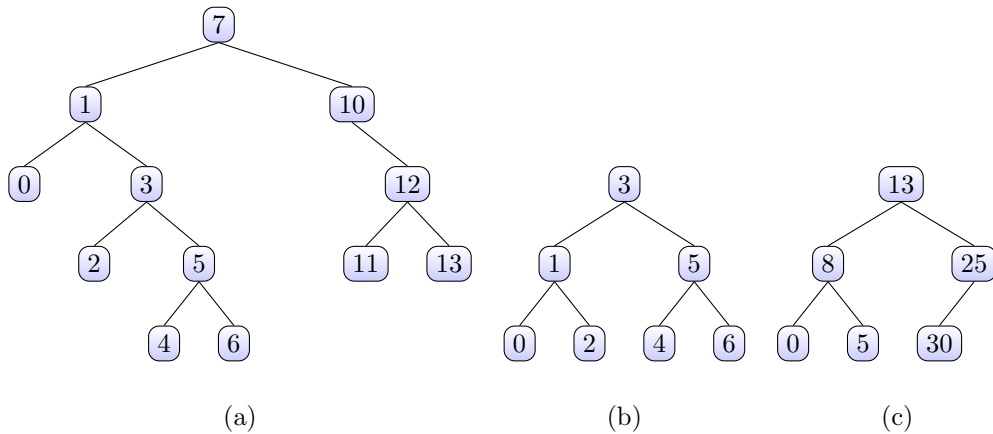
November 11, 2020

Student Name:

Honor Pledge:

Exercise 1

(a)   (b)   (c)

1. Indicate which are full, perfect and/or complete.

2. Indicate their height.

3. List the ancestors of the node with label 11 in tree (a).

4. Indicate which are Binary Search Trees.

5. Every binary tree of height h has $2^h - 1$ nodes. True (prove) or false (exhibit counterexample) ?

6. Write down the list obtained from the postorder traversal of tree (c).