

Practice Quiz 10

CSCI 136: Spring 2022

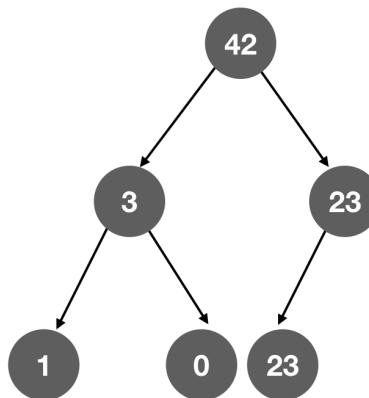
Your name: _____

Binary search trees

1. Does the below diagram show a valid binary search tree defined by the natural ordering on the integers? (circle one)

- Yes.
- No.

Your answer: No; 3 has 0 as a right descendant, but $3 > 0$.



2. Draw a binary search tree that results from inserting the following elements (in this order): 9, 79, 61, 28, 15, 65, 9. Store smaller elements on the left and equal elements on the right.

