Quiz 7 (Nov 1)

By taking this quiz, you agree to adhere to the honor code of the class.

Name: netid:

Write your name and netid on **both** sides of the paper. Write your solution **first on this side**. If space is not enough, write to the other side. You can ask for extra paper if necessary.

Name: netid:

(8 points) Add the following numbers to a binary search tree. Redraw the tree after each addition. 11, 33, 21, 54, 12, 75, 35, 87, 123, 43, 14, 9, 42.
(2 points) Say we have a binary search tree with n elements and h height. What is the worst case asymptotic computational complexity of get(key)? Explain your answer. Hint:look at the trees you've drawn!

Reference solution
Tree: Omit
Time complexity: O(h)