(a) \( \lfloor \lg n \rfloor \)

(b) If the input is sorted, in increasing or decreasing order, the height is \( n-1 \). Note that these are not the only worst-case instances.

(c) Since INSERTing into a table of \( k \) elements takes in the order of \( k \) operations (in the worst case), then the statement takes time in the order of \( \sum_{n \geq 2} k = \frac{n(n+1)}{2} \in \Theta(n^2) \)