All of the $\kappa$ 's should be uncountable and regular.
Hint. For problem 1, do a construction where it is easy to see that each node cannot be extended too far.

Hint. For problem 2, use problem 1 and some glue.
Hint. For 3. Don't be intimidated by the *. Assume that for every node $t$ there is an ordinal $\alpha$ such that for all $s>t, \operatorname{ht}(s)<\alpha$. Get a contradiction.
$4,5,6$ and 8 are very do-able.

