

CS-2852 - Dr. Durant - Quiz 5
Spring 2014, Week 7

1. (2.5 points) Draw a tree that is full but not complete.



all nodes have 0 or 2 children
children in lowest level are not left aligned

2. (2.5 points) Draw a tree that is complete but not full.



all leafs @ 2 + 3
level 2 full
level 3 any empty spots on right
there is a node with 1 child

3. (2.5 points) Draw a tree that is full and complete, but not perfect.



all nodes have 0 or 2 children
all leafs @ levels 2 + 3
level 2 full
level 3 ~~any~~ empty spots on right

4. (2.5 points) Draw a binary search tree of minimum depth (there is more than one correct answer) containing the following words ordered alphabetically: griffin, unicorn, cockatrice, dragon, wyvern

