

CS303

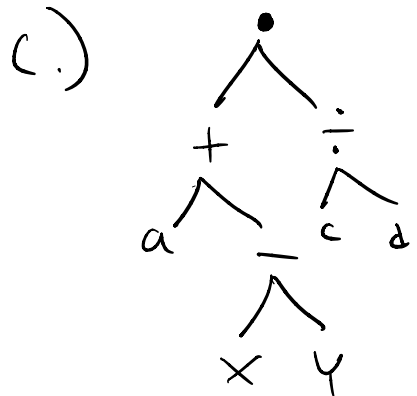
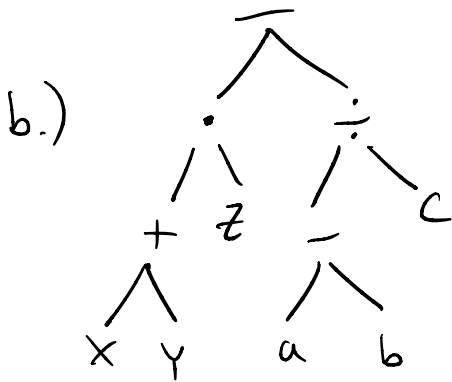
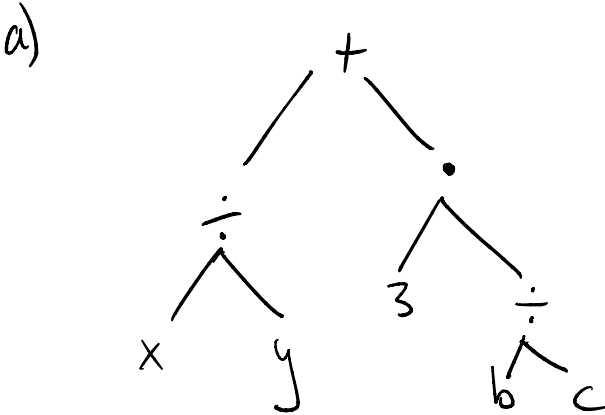
Assignment

4

Zack Bright

Q1 (15 points) Draw an expression tree corresponding to each of the following:

- a) Inorder traversal is: $x / y + 3 * b / c$
 b) Postorder traversal is: $(x / y) + a * b - c * / -$
 c) Preorder traversal is: $* + a - x y / c d$



Q2 (10 points) Considered the output of a to_string method below and show the tree that would be built by the following data lines is the binary search tree.

30
15
4
NULL
NULL
20
18
NULL
19
NULL
NULL
NULL
35
32
NULL
38
NULL
NULL

