These are some review questions to test your understanding of the material. Some of these questions may appear on an exam.

1 General Trees

1.1 Define *tree*.

1.2 For any tree T, define *path* in T, *length* of a path in T, *height* of a node in T, *depth* of a node in T, *height* of T, *depth* of T, and *internal path length* of T.

1.3 Know how to draw the binary tree (first child, next sibling) representation of a given general tree.

1.4 Know how to draw the general tree represented by a given binary tree (first-child, next-sibling) representation.

1.5 Prove: there are $n - 1$ edges in any tree with n nodes.