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