What is the difference between tree depth and height?

<https://stackoverflow.com/questions/2603692/what-is-the-difference-between-tree-depth-and-height>

I learned that depth and height are properties of a node:

* The **depth** of a node is the number of edges from the node to the tree's root node.  
  A root node will have a depth of 0.
* The **height** of a node is the number of edges on the longest path from the node to a leaf.  
  A leaf node will have a height of 0.

Properties of a tree:

* The **height** of a tree would be the height of its root node,  
  or equivalently, the depth of its deepest node.
* The **diameter** (or **width**) of a tree is the number of nodes on the longest path between any two leaf nodes. The tree below has a diameter of 6 nodes.

