A Binary Search Tree (BST)
Binary Search Trees

Following tree?

How many steps (in the worst case) would it take to find a key in the tree?
The same keys might be arranged to form a "perfectly unbalanced tree.

Binary Search Trees (cont.)
Where would 79 go? Where would 32 go? Where would 30 go into the following tree? Where would 60 go? Where would 16 go?

Binary Search Trees Insertion
• Deleting an "interior" node, e.g., 53, is hard.

• Deleting a leaf node, e.g., 68, is easy.

Binary Search Trees: Deletion