

HW7

Name: _____

1. Do 6.1.8 (pg. 207). Please give clear pseudocode. A good answer should be easy to convert directly into working code.

2. Build an AVL Tree from the following numbers. You must add them in a left-to-right order.

6 1 7 2 4 3 5

3. Build a 2-3 tree from the following numbers:

6 1 7 2 4 3 5

4. Max-Heapify the following array. You must use the bottom-up approach. You may construct the tree to show work. Give the resulting *array* at the end. You may assume there is extra capacity at the end.

Index	0	1	2	3	4	5	6	7
Value	6	1	7	2	4	3	5	<empty>