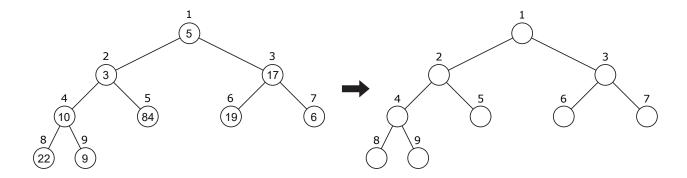
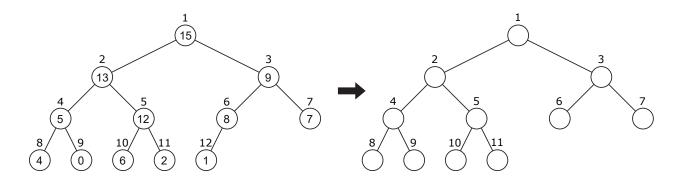
Algorithms and Data Structures Algorithm Assignment: Lecture 9

ID:	Name:

1. Illustrate a max-heap constructed by a buildMaxHeap operation with an array $A = \{5, 3, 17, 10, 84, 19, 6, 22, 9\}$. You should follow the pseudocode in the lecture note.



2. Illustrate a max-heap constructed by a heapExtractMax operation to a heap $A = \{15, 13, 9, 5, 12, 8, 7, 4, 0, 6, 2, 1\}$. You should follow the pseudocode in the lecture note.



3. Illustrate a max-heap constructed by a maxHeapInsert(A, 10) operation to a heap $A = \{15, 13, 9, 5, 12, 8, 7, 4, 0, 6, 2, 1\}$. You should follow the pseudocode in the lecture note.

