CSE 332: Data Abstractions

QuickCheck: Heaps (due Thursday, July 9)

Name:				
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0. You're My Priority!

(a) Insert the following numbers into a max heap in the order provided:

DO NOT use buildHeap; just insert them one by one. Showing your work might be prudent on a real exam (for partial credit).

(b) Re-order the numbers in such a way that (1) the result is an identical heap, and (2) the number of comparisons is minimal. (i.e. re-order the input to minimize the number of nodes that have to be percolated)



(c) Draw out the array version of the heap from part (a).

