

# Worksheet: Heap Practice

**In Preparation:** Read Chapter 11 on the Priority Queue ADT and Heaps

Insert the following values, in the order that they are given into a Min Heap. Show the tree after each insertion.

- 1) 30,20,50,10,5,70
- 2) Remove Min from the heap
- 3) Add 8 to the heap
- 4) Remove Min from the heap

1)

30

20  
30

20  
30 50

10  
20 50  
30

5  
10 50  
30 20

5  
10 50  
30 20 70

2)

5  
10 50  
30 20

3)

8  
20 10  
30 70 50

4)

10  
20 50  
30 70