Worksheet: Heaps Name:

**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)

50

10

5

30

20

10

50

20

30

20

70

10

50

5

30

20

70

10

50

30

5

30

20

30

50

10

30

20

50

5

30

20

3)

10

4)

50

20

70

30

10

50

10

20

30

5

2)

20

50

70

30

8

50

10

70

20

30

5