**Worksheet: AVL Trees Name: Group 9**

**Group 9:**

Zachary Anderson

Mark Buckner

Thomas Haslam

Kevin Lewis

Gerald Wilson

An Active Learning Approach to Data Structures using C

Worksheet: AVL Tree Practice

In Preparation: Read Chapters 8 and 10 on Bags and Trees, respectively. In you have not done so ready, do Worksheets 29 and 30 on Binary Search Trees.

Insert the following values, in the order that they are given into an AVL Tree.

1. 30, 20, 50, 40, 60, 70

50

60

30

70

20

40

1. 50, 22, 80, 70, 75, 73

70

80

22

75

50

73

1. 75, 70, 100, 60, 80, 105, 77, 120

75

60

70

100

105

80

120

77

1. Take the tree from #3 and remove 60

100

70

75

105

120

80

77

1. Take the tree from #3. Remove 120. Remove 60.

80

100

105

77

70

75