**CS 515 Exercise D09: 2-3-4 Tree Insertions**

\_\_\_\_\_ /50

**Names: Ryan J Skelly\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Wildcats ID’s : 988977861\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Lecture Section: 02**

**[50 pts.]** Show the resulting tree after each insertion of keys into a 2-3-4 tree. Assume you are starting with an empty tree, and then insert each of the following values in turn: 70, 50, 30, 40, 20, 80, 25, 90, 75, and 27.

|  |  |
| --- | --- |
| **70** | **50** |
| **30** | **40** |
| **20 then 80** | |
| **25, then 90** | |

*More on the back…*

**Insert 75**



**Insert 27**

