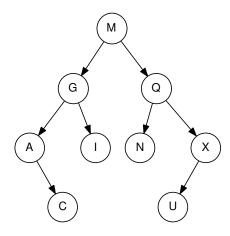Name (print): _____   Userid: _____

Lab 5 AVL Tree worksheet

Directions: Insert the following elements into the trees shown. Draw the resulting tree.

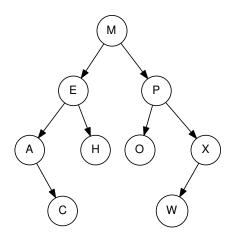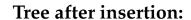**1) Insert F**   **Tree after insertion:**

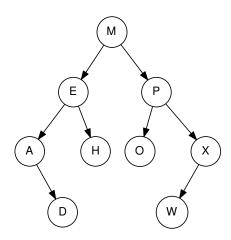**2) Insert N**   **Tree after insertion:**

Lab 5 AVL Tree worksheet, page 2

3) Insert B   **Tree after insertion:**

```
            M
          /   \
         E     P
        / \   / \
       A   H O   X
      /          /
     D          W
```

4) Insert V   **Tree after insertion:**

```
            M
          /   \
         E     P
        / \   / \
       A   H O   W
      /          /
     B          T
```