AVL Tree Worksheet – **Solution**

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

A.) Insert C

```
M
 E   P
 A  H  O  Z
 B   W

C
```

**Tree after rotation:**

```
M
 E   P
 B  H  O  Z
 A   C
 W
```

B.) Insert S

```
M
 E   P
 A  H  O  Z
 B   W
 S
```

**Tree after rotation:**

```
M
 E   P
 A  H  O  W
 B   S  Z
```
C.) Insert Y

Tree after rotation:

D.) Insert C

Tree after rotation: