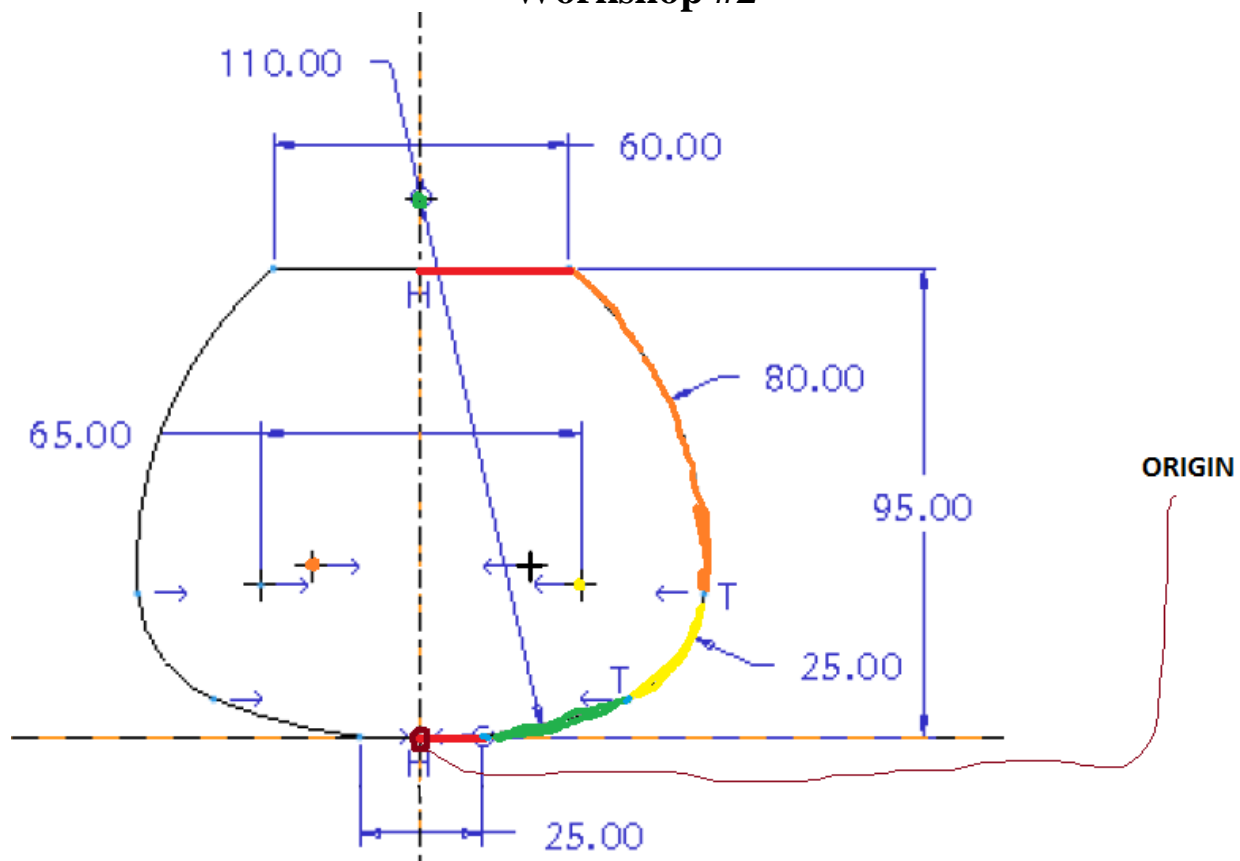


Workshop #2



UNITS = INCHES!

Note which center-point belongs to which arc.

The red members are horizontal lines in this picture.

Notice that the center-point of the green arc is on the y-axis.

Notice that the center-point of the orange arc is on the left side of the y-axis.

Note the tangency between the green and yellow arc and between the yellow and orange arcs only.

Notice that all dimensions are either lengths or radii (no diameter given in this).

Methodology:

1. Draw the right half of the picture.
2. Add in the constraints for tangency.
3. Make sure that the arc center-points are where they need to be.
4. Add dummy dimensions. Note: There are three mirrored dimensions (which we learned in class today).
5. Update dimensions to be correct.
6. Mirror about the y-axis.