**LAB10 – Dimensions and Text**

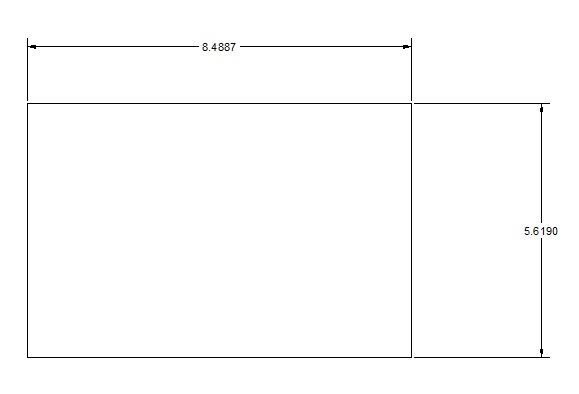
**Drawings need annotation with Text and Dimensions to better describe what we want to make.**

**DIMENSION - LINEAR, ALIGNED, RADIUS, DIAMETER, and ARC LENGTH**

**DIM LINEAR**

*First Extension Line (or object),*

*Second Extension Line (or Options: Mtext, Text, Angle, Horizontal,Rotated)*

**

*Exercise: Size the Box*

**Draw a RECTANGLE**

**SELECT DIMLINEAR**

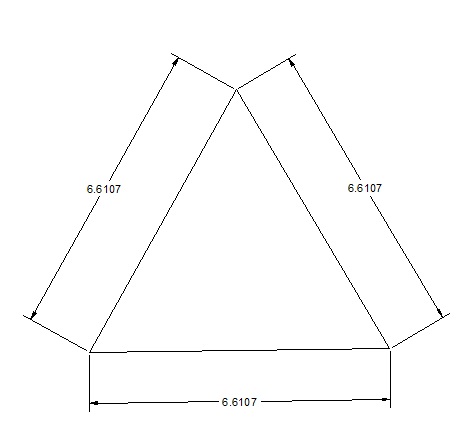
**DRAW THE WIDTH AND HEIGHT OF THE RECTANGLE**

**Save As… “LAB10Linear.dwg”**

**DIM ALIGNED**

*****First Extension Line (or object),*

*Second Extension Line (or Options: Mtext, Text, Angle)*

*****Exercise: Measure the Side*

**Draw a Triangle**

**SELECT DIMALIGNED**

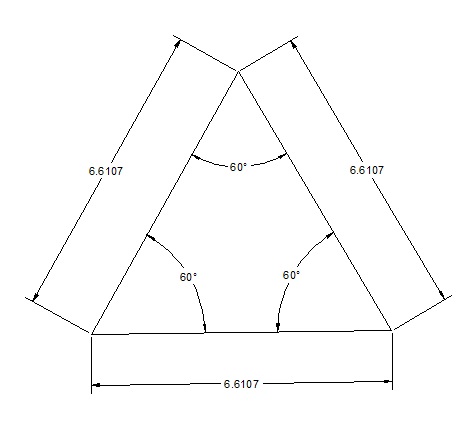
**DRAW THE DIMENSIONS ALONG ALL THREE SIDES**

**Save As… “LAB10Aligned.dwg”**

**DIM ANGULAR**

*Select Arc, Circle, Line,*

*Specify Arc Location*

*Exercise: Measure the Inside Angles*

**Go Back to Your Triangle or OPEN “LAB10Aligned.dwg”**

**SELECT DIMANGULAR**

**DRAW THE INSIDE ANGLES (Select two adjacent sides)**

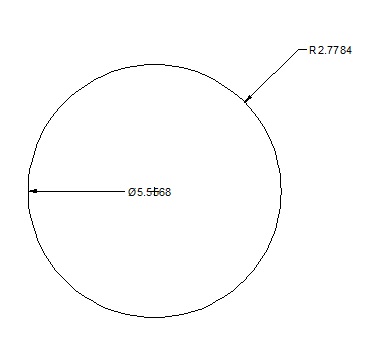
**Save As… “LAB10Angular.dwg”**

**DIM RADIUS and DIM DIAMETER**

**

*Select Arc or Circle*

*Specify Arc Location*

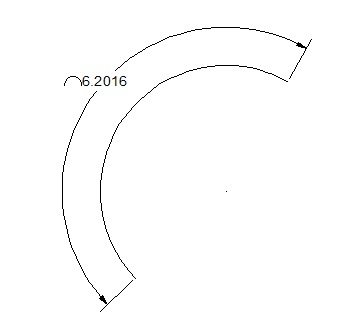
*Exercise: Radius & Diameter*

**Draw a CIRCLE**

**Measure the RADIUS and DIAMETER using both tools.**

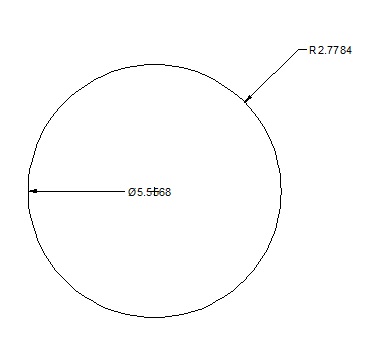
**Save As… “LAB10Rad.dwg”**

**DIM ARC LENGTH**

**

*Select Arc or Circle*

*Specify Arc Length Location*

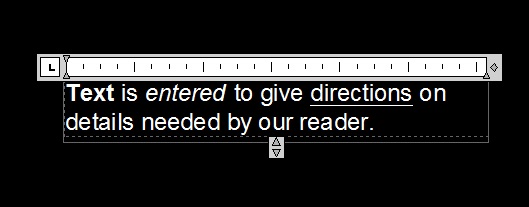
*Exercise: Arc Length*

**Draw an ARC (it’s next to CIRCLE)**

**Measure the length of the ARC.**

**Save As… “LAB10Arc.dwg”**

**TEXT**

**

*Multi-Line*

*Single Line*

*Exercise: TEXT*

**Enter Single Line and Multi-Line Text in any drawing. Experiment with Italics, BOLD, and Underlining.**

**Save As… “LAB10Text.dwg”**