Let’s make use of some basic commands applying them in an exercise.

To start open Draftsight, go to file new, choose **standard.**

Locate the tab called **Sheet 1** and click on it.

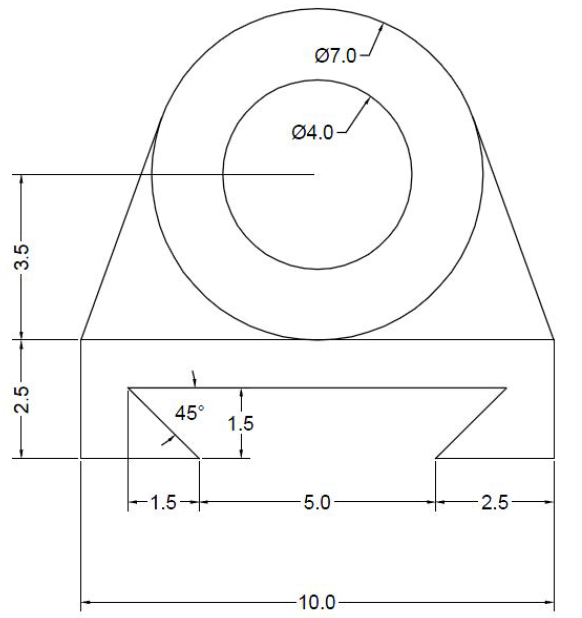
Now we will draw the Border lines ( refer to the border handout)

**Now we will go to the Model display, click on the model tab.**

Now we will display the **Grid**

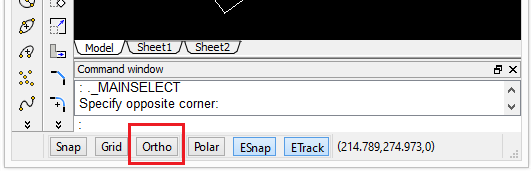
At the command prompt type**: Grid,** then enter

Type**: .50**

[](http://computeraideddesignguide.com/wp-content/uploads/2014/02/autocad-exercises-00.png)

I need to mention the use of the ORTHO mode before proceeding.

The ORTHO mode helps you have exclusively straight lines in a vertical of horizontal direction when it is activated.

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial1.png)

alright!

Now we can start.

Use the LINE command to draw a circle with diameter 7 units and a circle with diameter 4 units both having the same center.

To draw a circle

You need to use Circle command.

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial2.png)

After a click on the icon

You will see the following lines appear in the command window

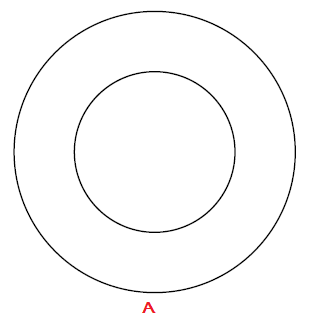
Options:3Point,2Point,Ttr,TTT,Enter to exitor  
**Specify center point»**

Click on the drawing window to indicate the center point of the circle.

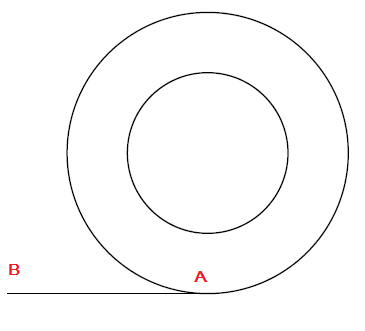
Now type “D” and Enter 7 to draw a circle with diameter 7.

Do the same to draw the circle of diameter 4, but make sure **ESnap** is activated to allows you choosing the same center with the previous circle.

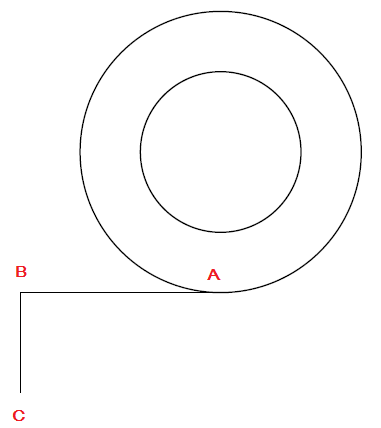
You should at this point have both circles drawn.

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial3.png)

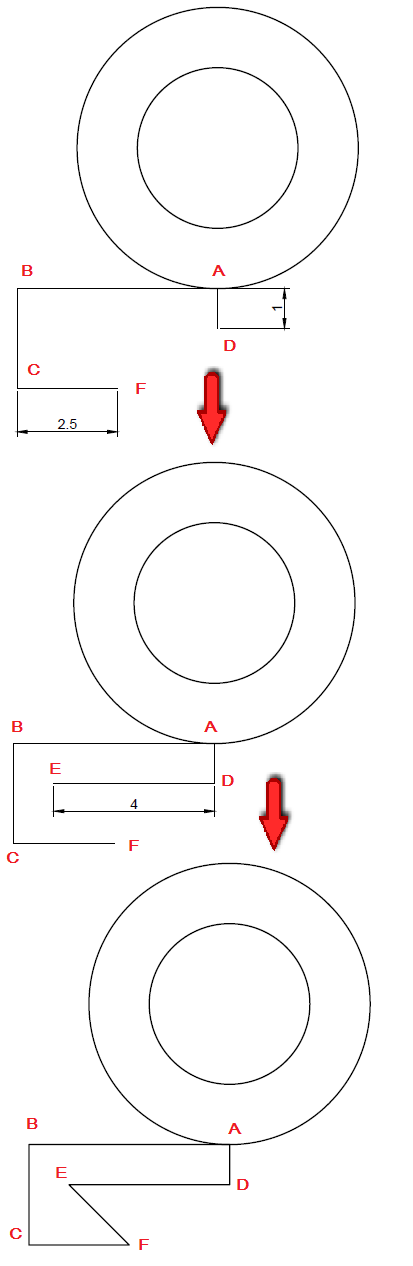
Draw a line (5 units) starting from the point A. Make sure **ESnap** and **ORHTO** are activated while drawing the line.

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial4.png)

Now draw a line from the point B to C (2.5 units)

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial5.png)

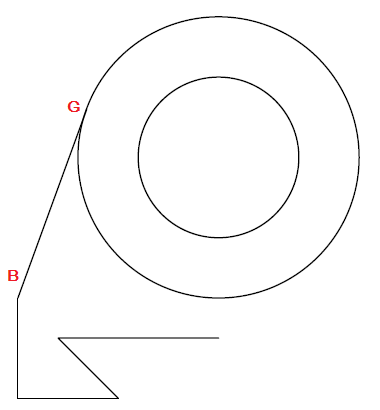
Draw the following lines starting from the known point to the unknown point.

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial6.png)

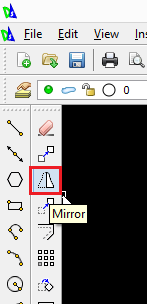
Joining E and F with a line will be easy since we have already drawn elements having these 2 points belonging to them.

Now delete AD, and draw the line BG.

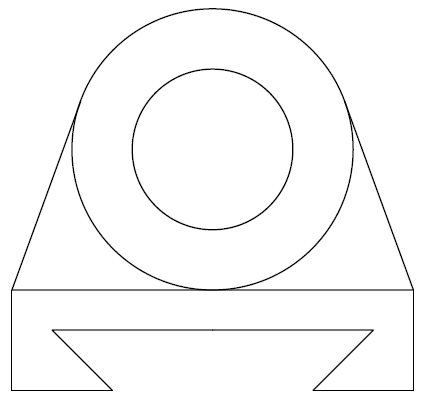
(Star from the point B going upward, once u get around where the point G is to be, hover around that position, and let Draftsight show you were to drop the other end of your line)

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial7.png)

Now you can simple use the MIRROR command on what we have to get the right part of this design.

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial8.png)

Getting…

[](http://computeraideddesignguide.com/wp-content/uploads/2014/08/DraftSight-tutorial9.png)

This same exercise was tackled on the third day of the [last series of 2D AutoCAD exercises](http://computeraideddesignguide.com/20-days-of-2d-autocad-exercises-3/), you may need to have a look at how we use another approach to model it last time.