Engineering Drawing with Autocad

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Lecture 3

Projects - Creating a Simple Drawing

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1 - Create a Simple Drawing:

For make a 2D drawing in AutoCAD

Step 1: Start Point (the Central Point) Draw a circle with radius of 625;

Step 2: Another Circle. ...

Step 3: Adding Lines. ...

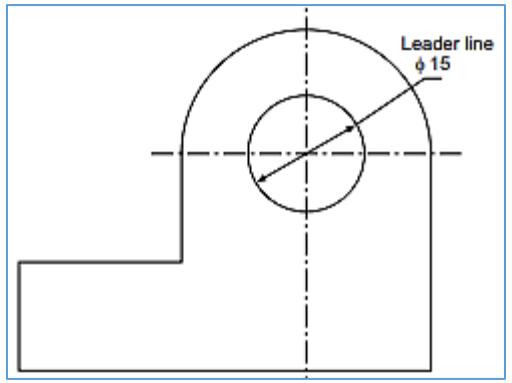
Step 4: Add Circles to Lines. ...

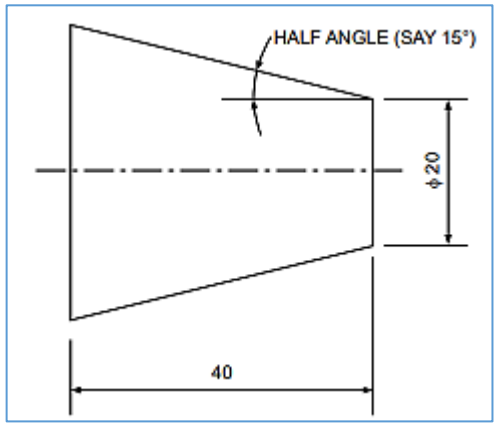
Step 5: Specifying the Angle. ...

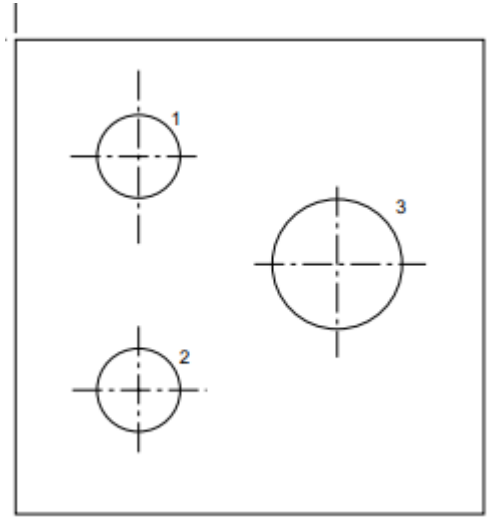
Step 6: New Circle. ...

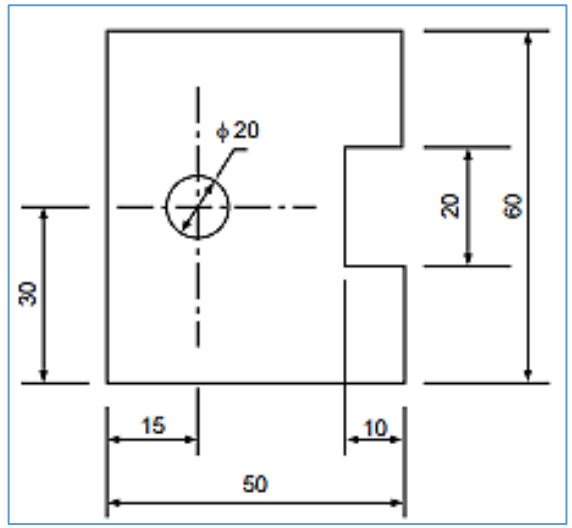
Draw a circle that have the same center point of. ...

Draw 2 circle with a center exactly on the







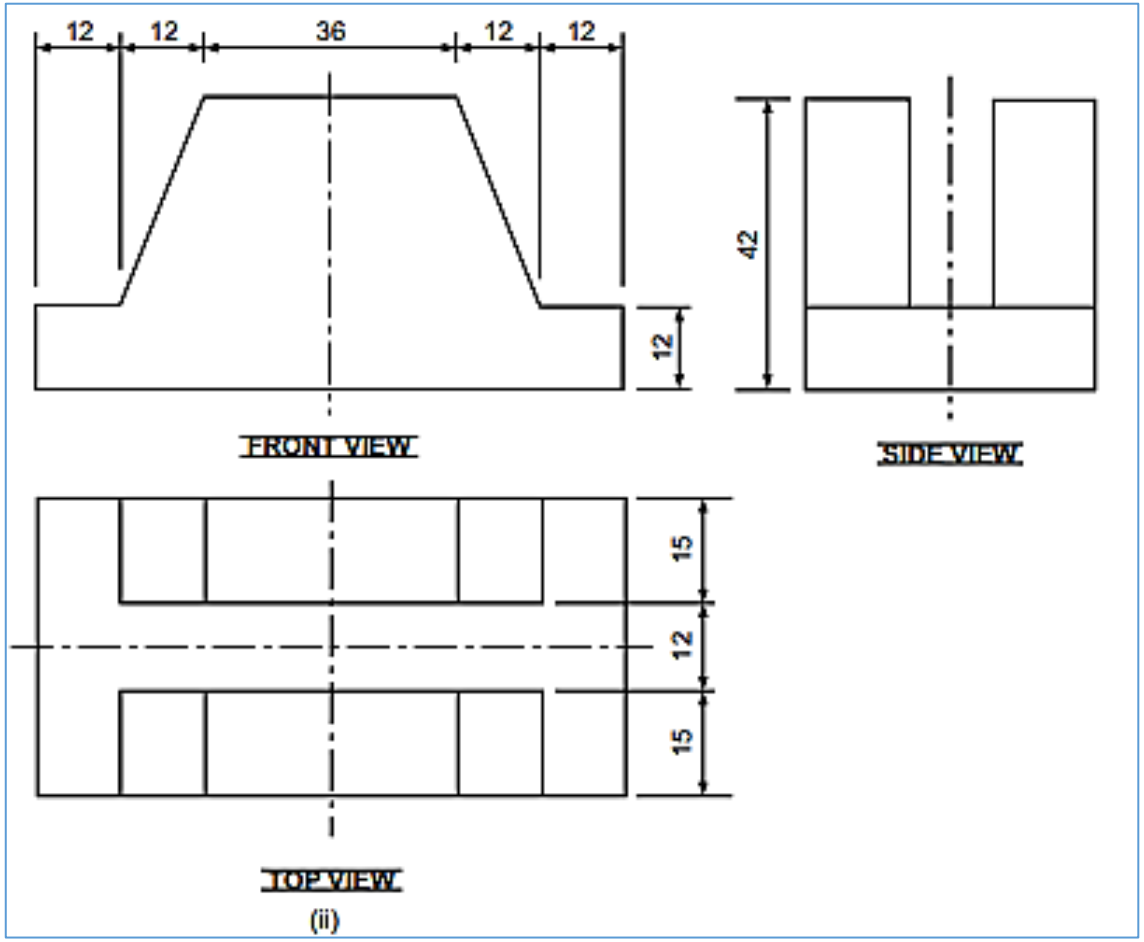


Home work (2)

2 - Create Simple Shapes:

To Insert a Custom Shape in a Drawing

1) Click Manage tab Style & Display panel Member Shape.
2) In the right pane of the Insert Member Shapes worksheet, select a custom member shape.
3) Click one or more of the Shape Geometry check boxes. ...
4) Click Insert



Home work (3)

Example 1:
Rectangle with slanted corners

The rectangles can also be created with slanted corners.
The steps to create a slanted corner rectangle are listed below:

1 - Select the rectangle command from the ribbon panel. The rectangle icon will look like the below image:



Or

Type **Rec** or **Rectangle** in the command line and press **Enter**.

2 - Type **C** or **Chamfer** and press **Enter**.
(Chamfers are used to create slanted edges.)

3 - Specify the first chamfer distance for the rectangle.

a) Specify the first corner point on the viewport.

b)Specify the length and breadth of the rectangle in the form of @length, width. For example, @4,5.
Where, 4 is the length of the rectangle, while 5 is the width of the rectangle.

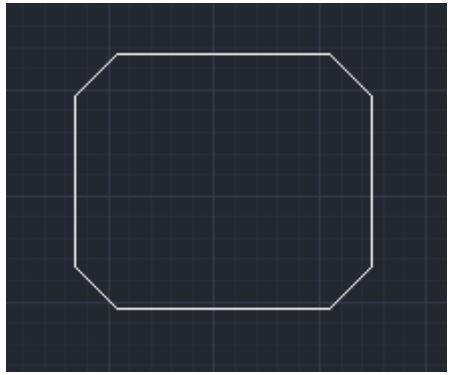
4 - Press **Enter**.

5 - Specify the first corner point of the rectangle on the viewport.

6 - Specify the length and breadth of the rectangle in the form of **@length, width**. For example, **@7,6.**

7 - Press **Enter**.

The rectangle formed is shown in the below image:



Note: The chamfer distance for both sides should be the same to create regular shape. We can also change the shape according to the requirements.