

AutoCAD Beginner's Level Drawing Practice

SUBJECT	TEACHER	LEVEL	DATE
AutoCAD	KR	Beginner	May 2018

Overview

Tutorial for beginners to attempt as part of a flipped classroom or lifelong learning and self-development. Reproduce the drawing given as per the procedure given below:

Procedure:

1. Set units to mm

Type units and enter. Choose Decimal, set precision to 0, select millimeters and click on OK.

2. Set limits to an A4 Size paper. Type limits and enter. Type 0,0 and enter. Next type in 297,210 and enter.

3. Type Rec and specify first corner point and second corner point.

* Rec is a shortcut for rectangle.

4. Zoom All.

Type Zoom and click on All in the command bar.

5. Create a new layer and set its properties.

Click on Format in the menu bar. If the latter is not active, type menu bar and enter. Set its value to 1 and enter. Now click on Format in the menu bar and select Layer. A layer manager dialog box will appear. Place the cursor on the Layer 0 and right-click. Select New Layer. Set its name to Rectangle. Check the linetype property and set the linewidth to 0.25 and set the colour as required. Create a new layer for each shape.

6. Make the Base layer current by placing the cursor on the Base layer and double clicking. Making a layer current means setting it active so that we can draw in this particular layer.

7. Now, reproduce the drawing given below. Make use of the following tools: line, arc, circle, rectangle, point.

WEBOGRAPHY:

There are many free resources online that can help you to acquire the necessary skills needed to complete the exercise given.

Draw Line command

a. <https://youtu.be/UMmV2xDPPU4>

Draw Arc command

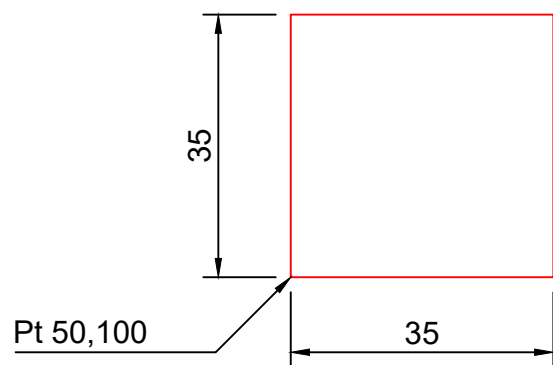
b. <https://youtu.be/8RqEBHpzo9Y>

Draw Circle command

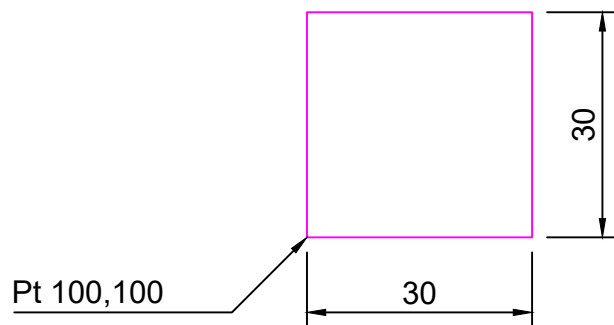
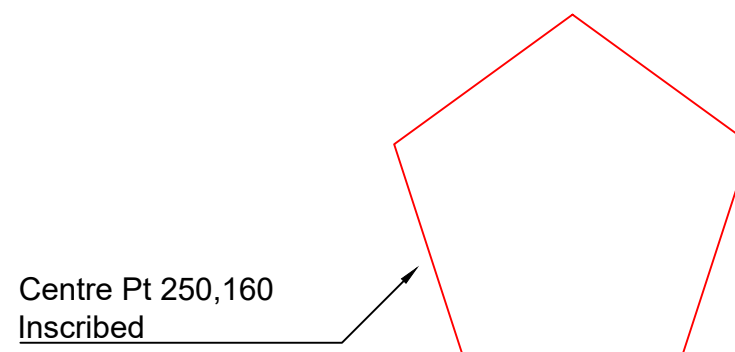
c. <https://youtu.be/MDfDSdaQ9ZQ>

Draw Rectangle command

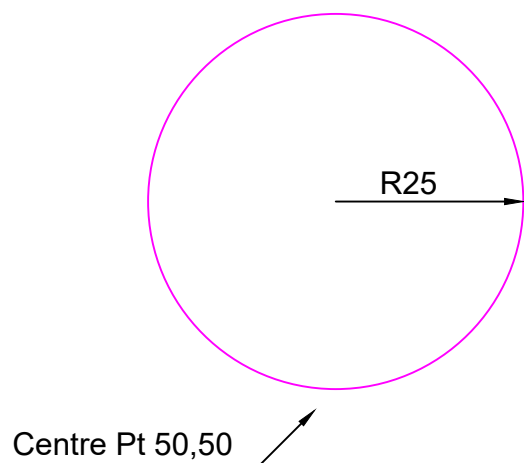
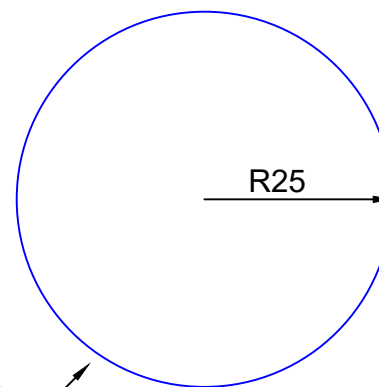
d. <https://binged.it/2luzhGO>



3-Point Arc with
Start point at 115,160
Centre point at 134,171
End point at 156,171



Centre Pt 200,100



3-Point Arc with
Start point at 180,40
Centre point at 210,60
End point at 240,61