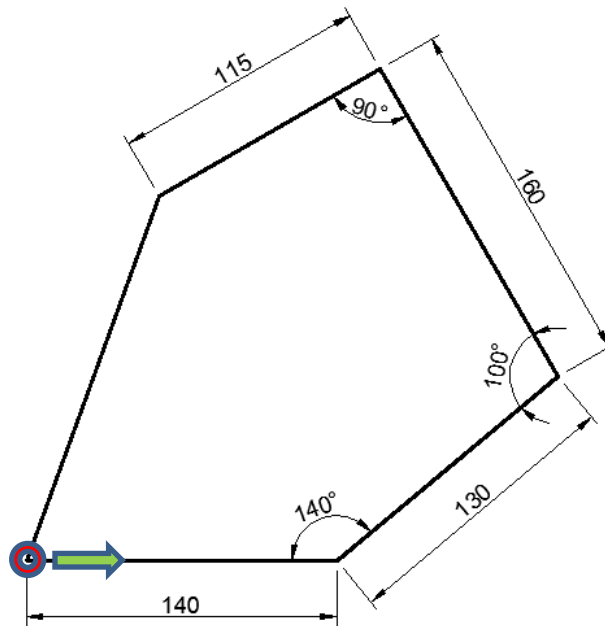


## Exercise no 2

LOCATION RELATIVE TO OBJECTS, POLAR TRACKING, LOCATION TRACKING RELATIVE TO OBJECTS

### 2.1. Drawing using Polar coordinate systems.

Using the LINE command draw the following figures. Begin drawing each figure at the bottom left corner and proceed in the counterclockwise direction. **Attention:** Please switch off the DYNAMIC INPUT.

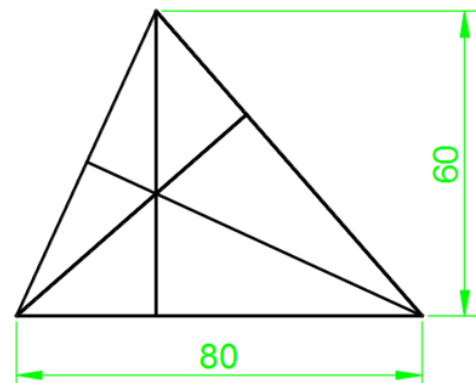
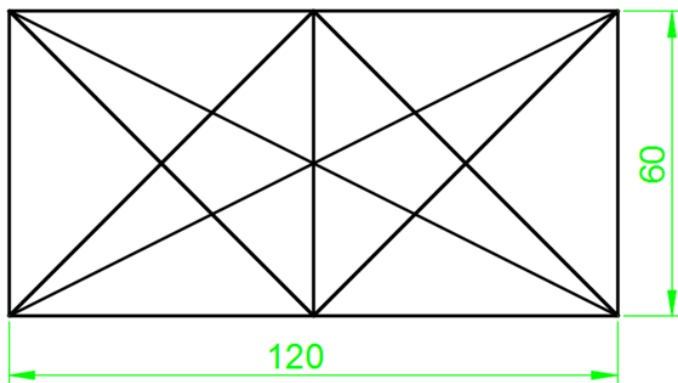


### 2.2. Line and polyline

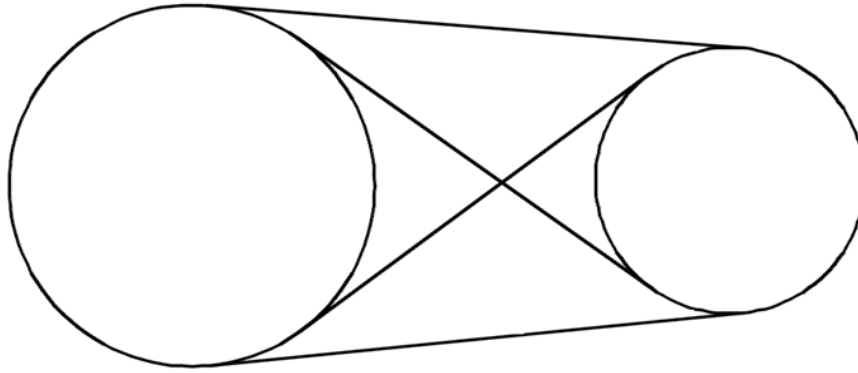
Using the LINE command draw the rectangle with dimensions 120x60. Next using RECTANG (REC) command draw another rectangle with the same dimensions. Show the difference in drawing of two objects by selecting one side and check their properties. Using EXPLODE command breaks a compound object into its component objects. Using PEDIT command convert that single lines into a one closed polyline.

### 2.3. Drawing using location aids

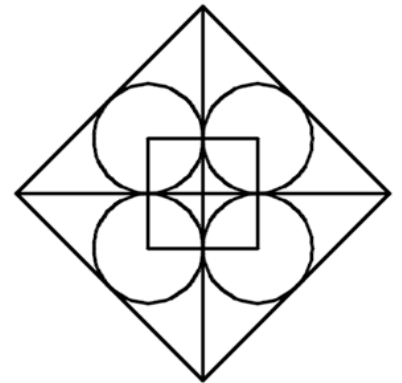
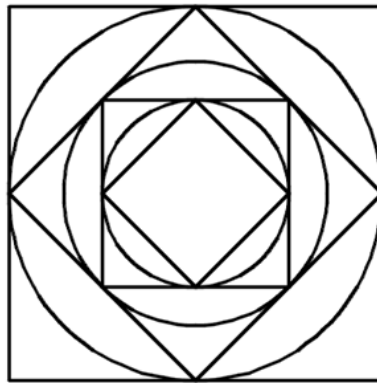
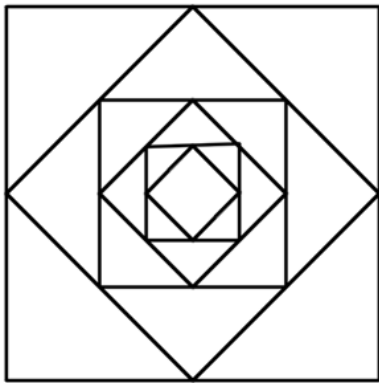
Using the LINE command and location aids draw the following figures. Draw the triangle height using TEMPORARY TRACK POINT



Draw circles and lines tangent to those circles.

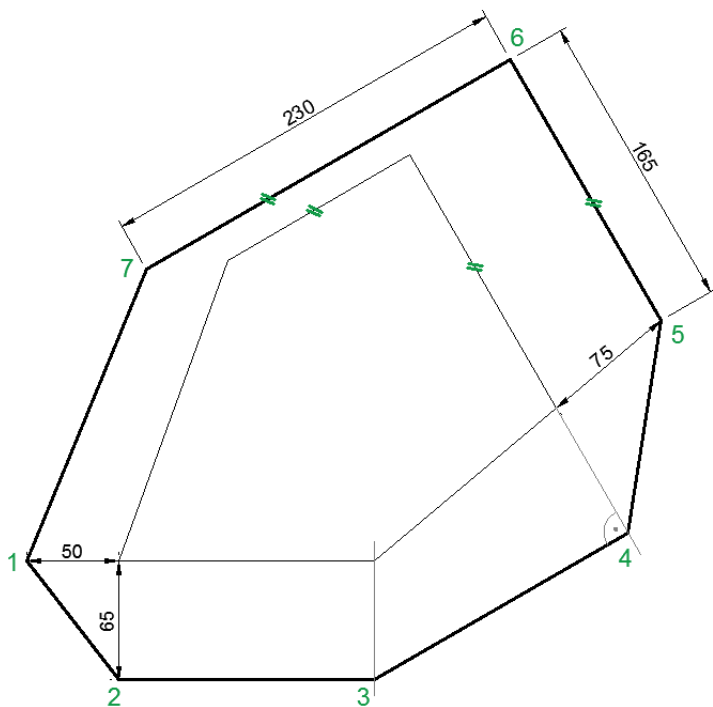


Apply the LINE and CIRCLE commands only to draw the following figures using location aids as appropriate:



### 2.4. Drawing using the tracking command

Based on drawing from previous exercise and using Line command draw the following figure (without dimensions). Use temporary tracking and location points to draw the outside polygon. Draw polygon vertices in the sequence indicated by numbers.



Beginning at the bottom left corner draw the figures (without dimensions) using location, tracking and temporary location points. Do not break the line drawing sequence if possible and try to draw without calculating the distances not indicated on the drawings.

