Institute of Engineering, Thapathali Campus
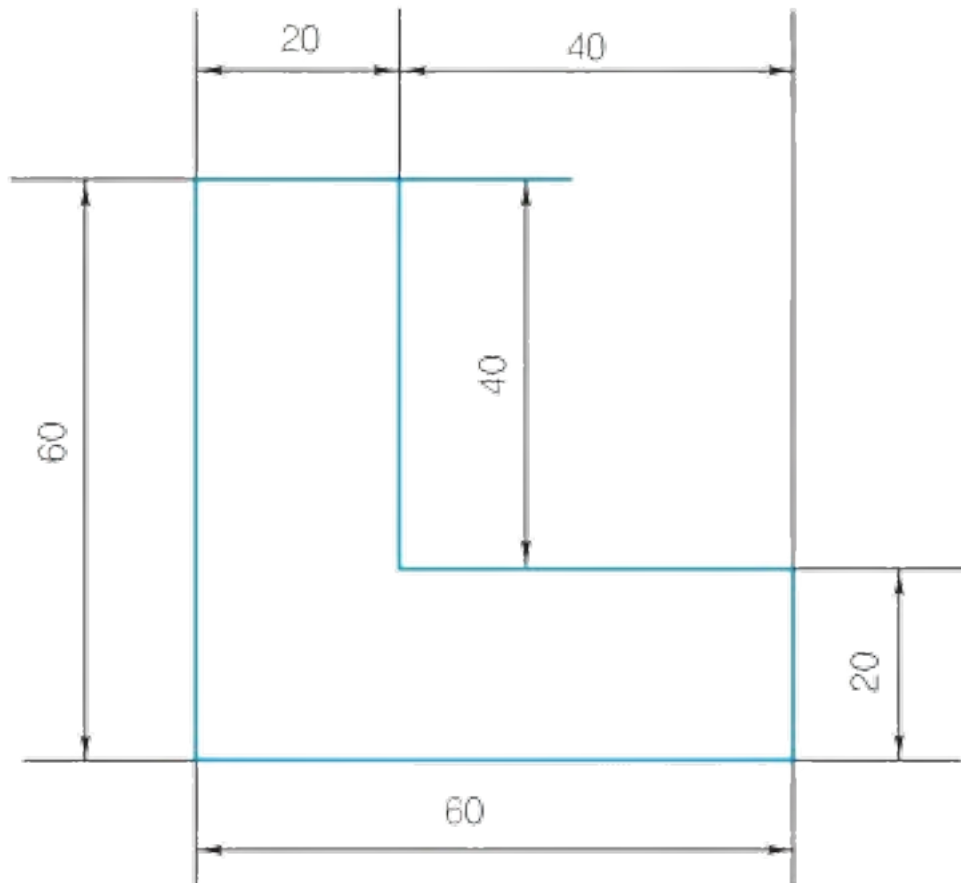# Computer Aided Drawing
ME 505

Bibek Magar

May 25, 2024

Lab manual for Computer Aided Drawing

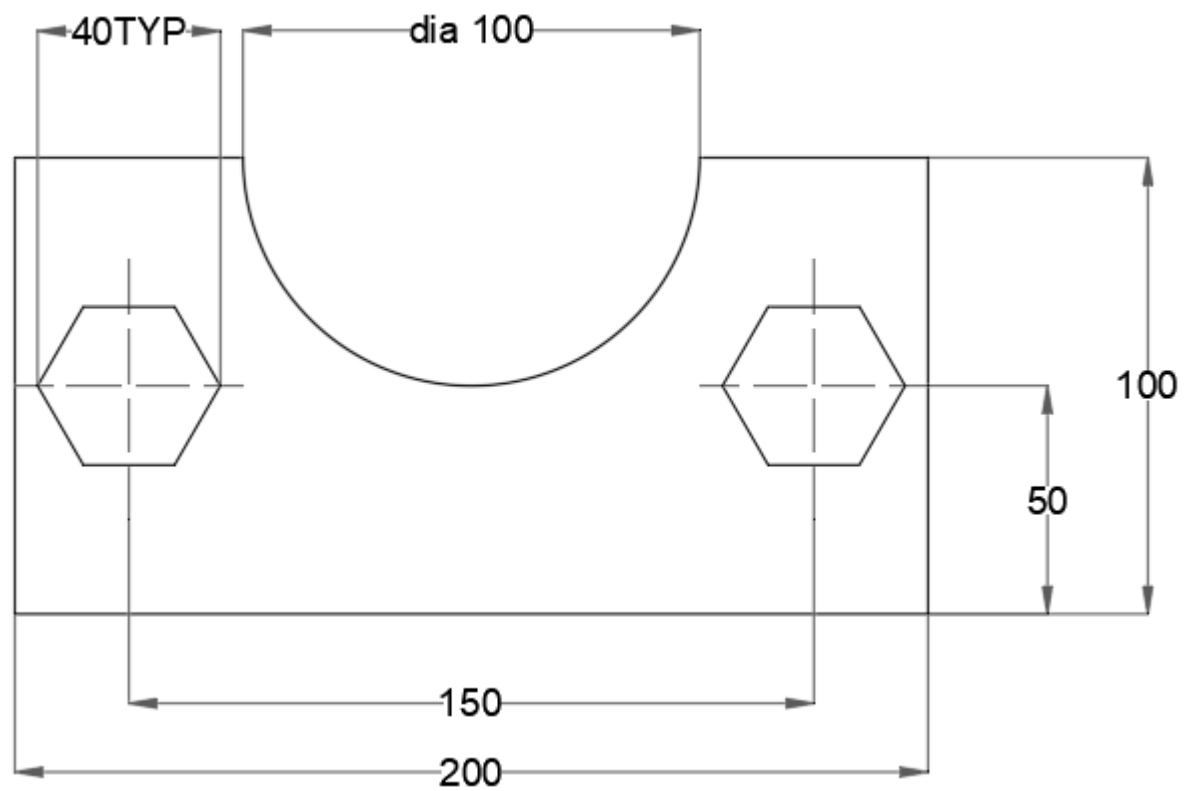# 1 lab 1: Introduction to AutoCAD interface and coordinate systems

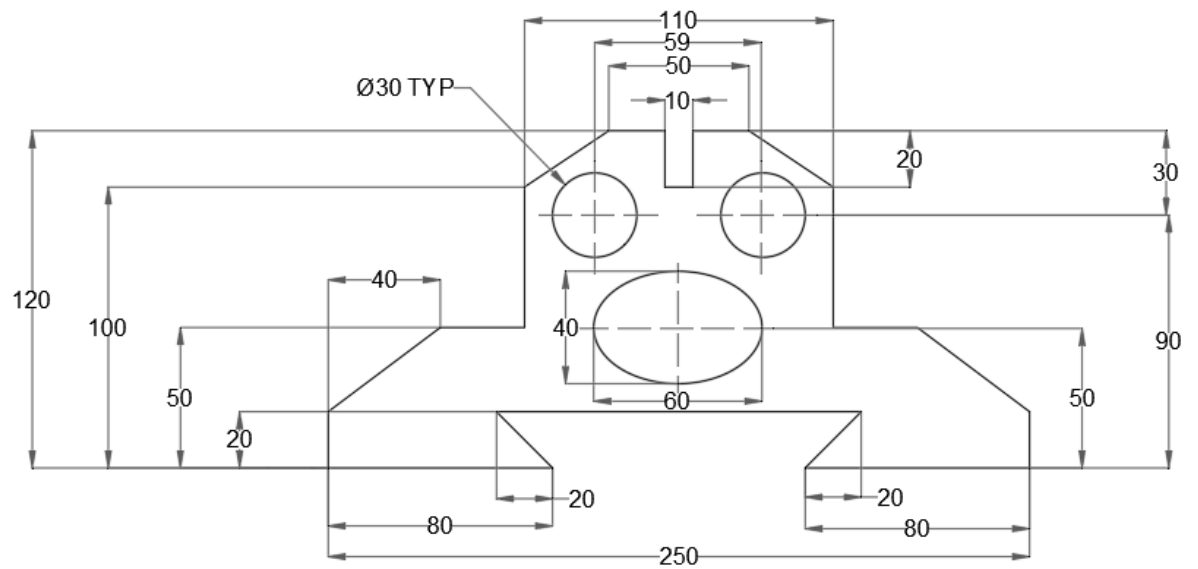*Assume absolute coordinate of the bottom left corner be (15, 15).*

1.1 Draw the given figure in AutoCAD using the absolute coordinates and write the command sequence.

1.2 Draw the given figure in AutoCAD using the relative coordinates and write the command sequence.

1.3 Draw the given figure in AutoCAD using the relative polar coordinates and write the command sequence.

2 lab 2: Introduction to AutoCAD sketch tools

2.1 Draw a parabola with double ordinate 100 mm and axis 60 mm.

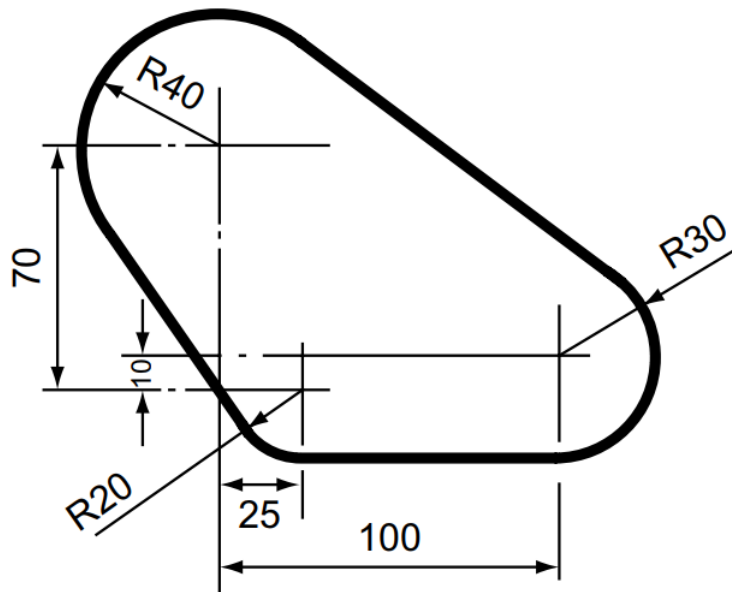## 2.2 Draw the given figure in AutoCAD and write the command sequence.

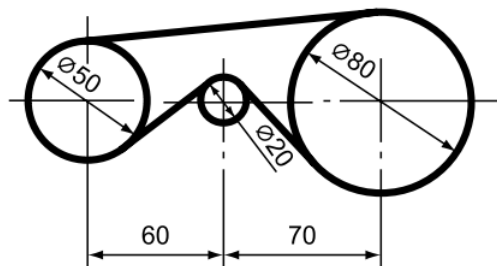## 2.3 Draw the given figure in AutoCAD and write the command sequence.

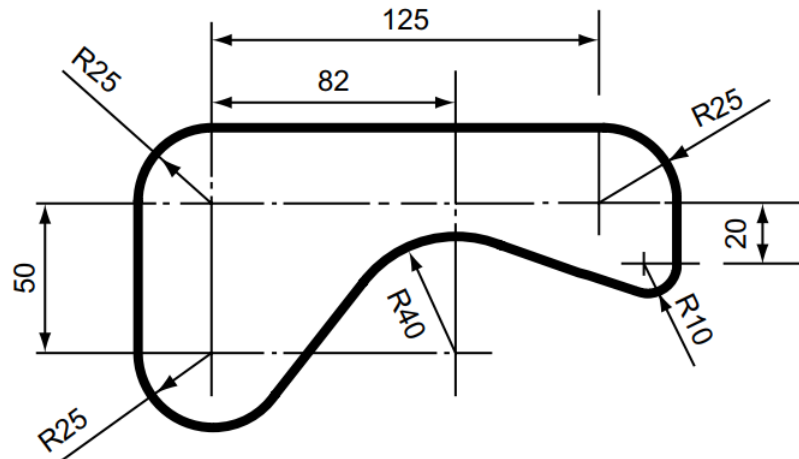# 3 Lab 3: Introduction to AutoCAD modify tools

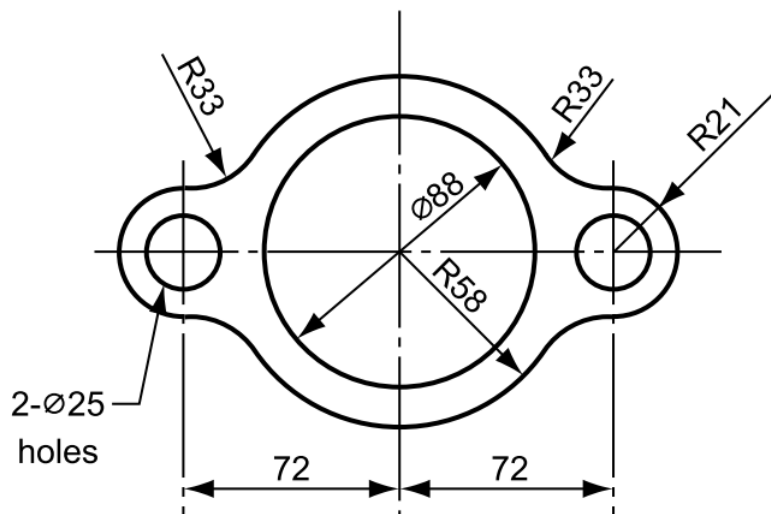## 3.1 Draw the given figure in AutoCAD and write the command sequence.

3.2 Draw the given figure in AutoCAD and write the command sequence.

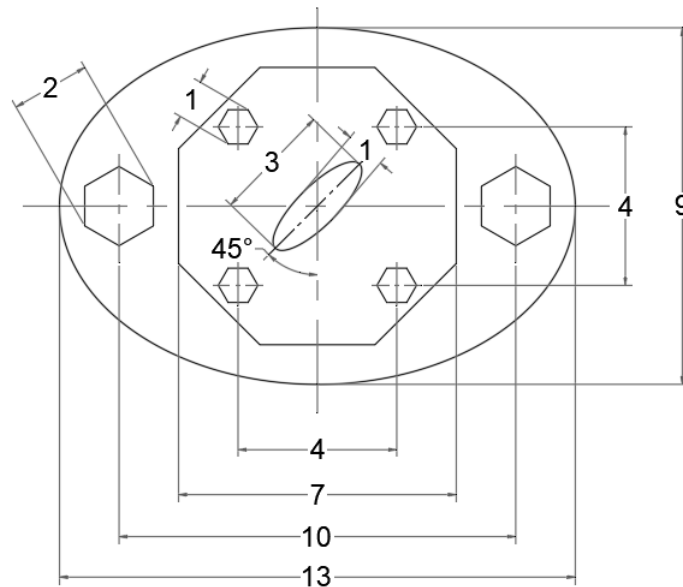### 3.3 Draw the given figure in AutoCAD and write the command sequence.

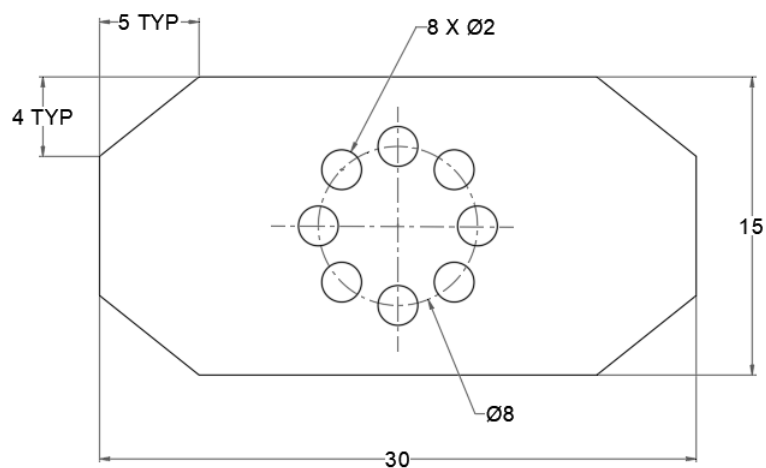### 3.4 Draw the given figure in AutoCAD and write the command sequence.

3.5 **Draw the given figure in AutoCAD and write the command sequence.**
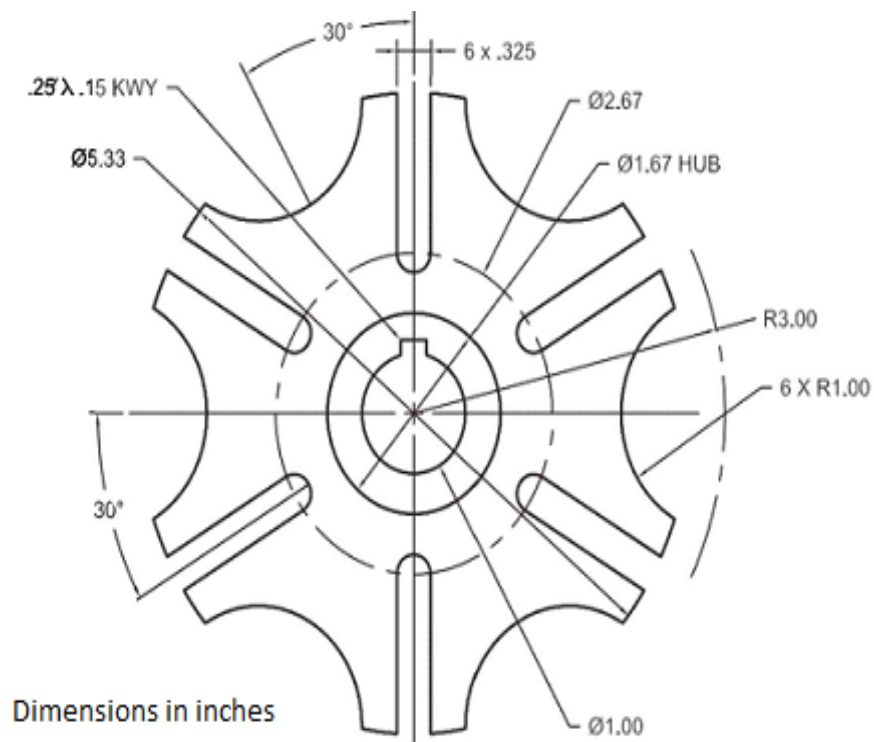

3.6 **Draw the given figure in AutoCAD and write the command sequence.**
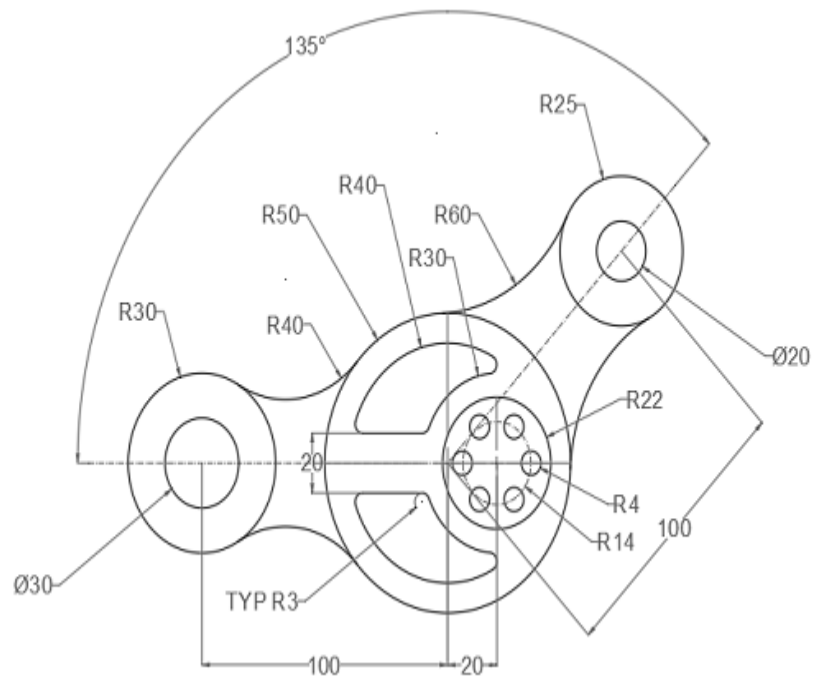
4 Lab 4: 2D Drafting I

4.1 Draw the given figure in AutoCAD and write the command sequence.

4.2 Draw the given figure in AutoCAD and write the command sequence.

4.3 Draw the given figure in AutoCAD and write the command sequence.