Green University of Bangladesh
Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering

Semester: (Fall, Year:2023), B.Sc. in CSE (Day)

Lab Report NO # 01

Course Title: Engineering Drawing

Course Code: CSE 208 Section: D3

Lab Experiment Name: Use of Basic Tools and shapes in using AutoCAD

Student Details

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Lab Date : 29/09/2023

Submission Date : 02/10/2023

Course Teacher's Name : Mohammad Ehsan Shahmi Chowdhury

Lab Report Status

Marks: …… Signature:.....

Comments:..... Date:.....

1. TITLE OF THE LAB REPORT EXPERIMENT

Use of Basic Tools and shapes in using AutoCAD

2. OBJECTIVES/AIM

- ➢ To familiarize with Engineering Drawing and AutoCAD.
- ➢ How to draw a line
- ➢ How to draw a circle , rectangle and triangle

3. PROCEDURE

1. Firstly select the unit from the AutoCAD icon and select the unit length to engineering.

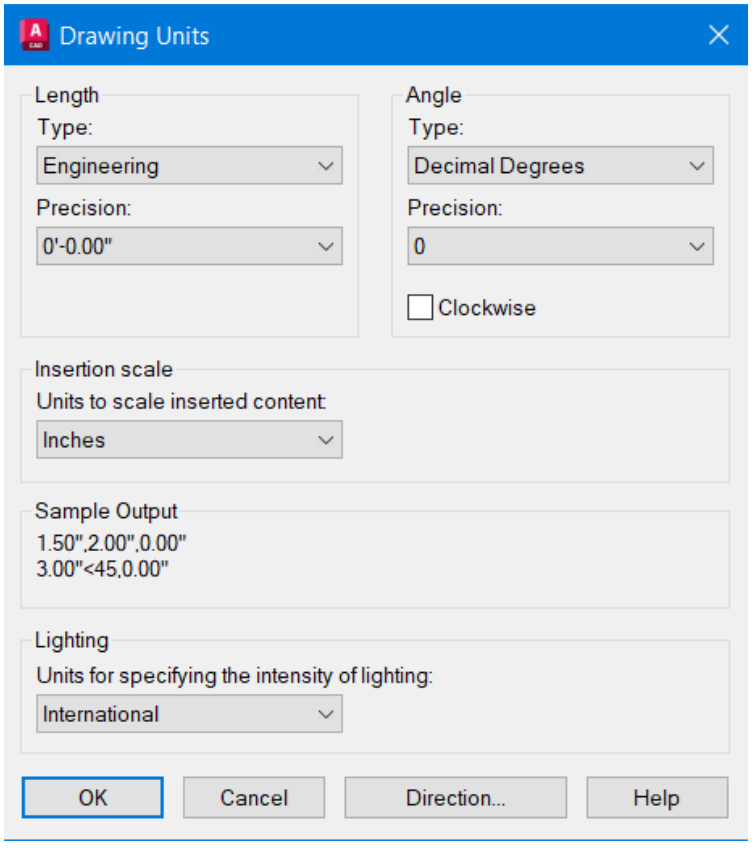


Figure (a): Drawing unit

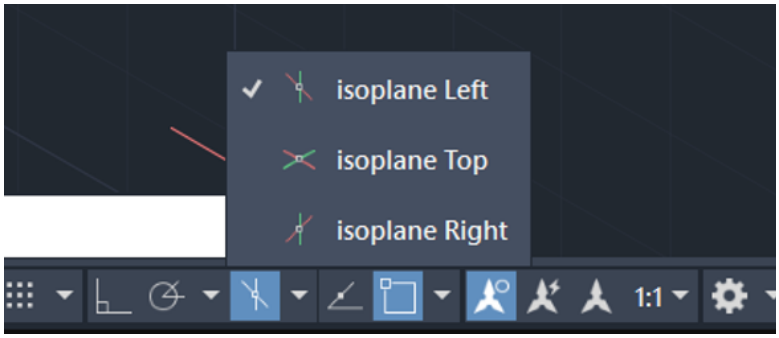


Figure (b): Isolane Tools

3. I use many tools like line, isoplane left and right and also isoplane top. Sometimes I did copy the layers when needed.
4. For drawing rectangles, I used the line tool, along with units and limits.
5. I draw the circle firstly center, then 2 point followed by 3- point and finally Tan,Tan, Radius

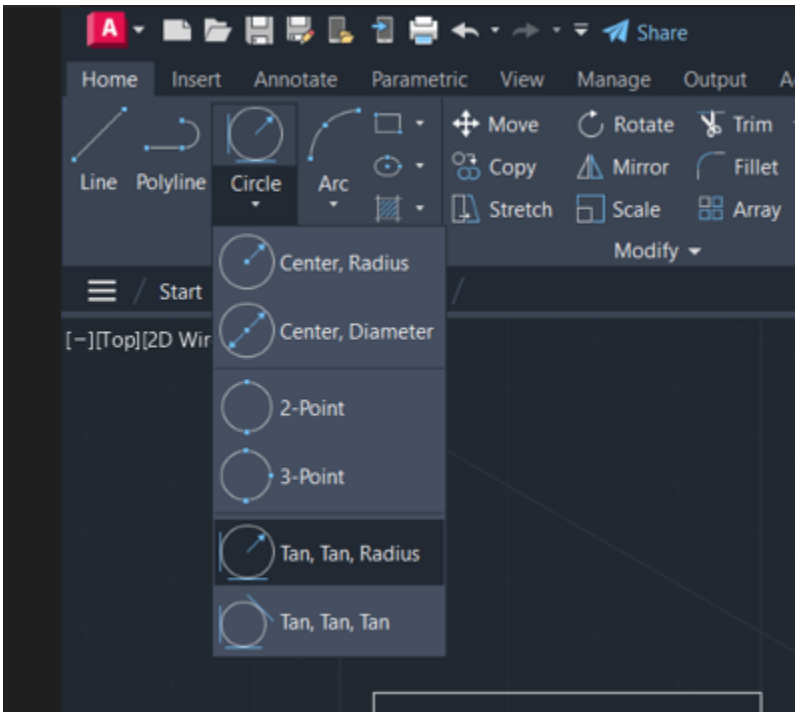


Figure (c) : Circles tool

6. For a line , use the tools of the line. For drawing the rectangle I used the line tools .

4. IMPLEMENTATION [3 marks]

This part deals with the detailed implementation of your analysis / design. This includes:

1. An overview of the implementation done according to the design.
2. The implementation details for the most important parts of your design.

5. TEST RESULT / OUTPUT

Figure Isometric : Firstly took 20/30 (height-width)

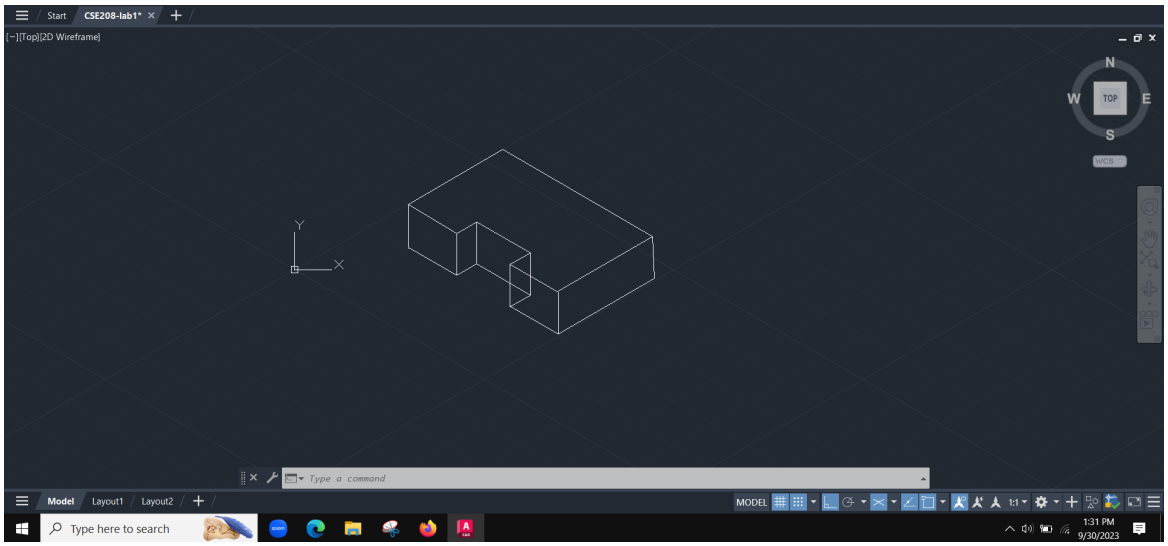


Figure **Triangle** : After measuring it , we see below screent shot

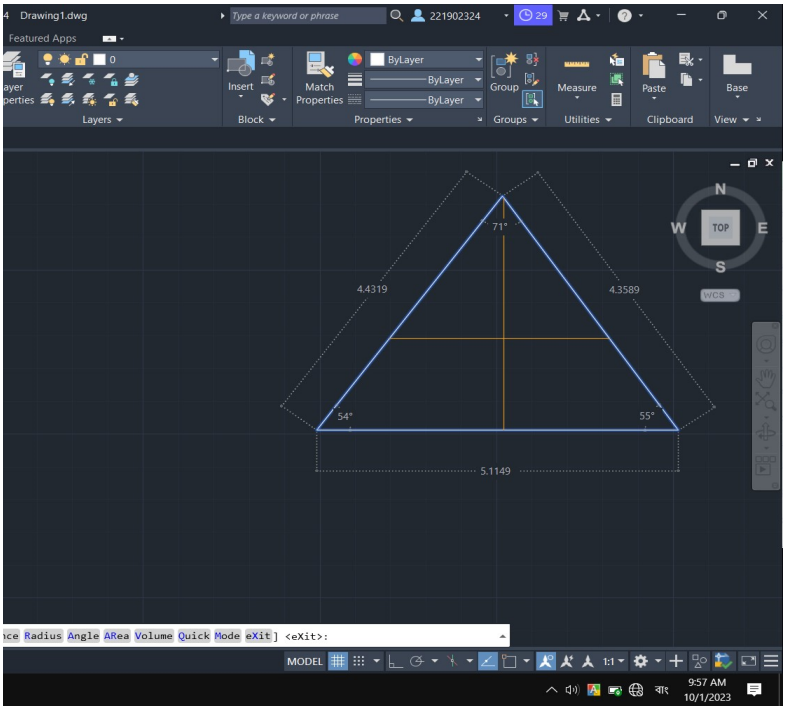


Figure **Rectangle :**

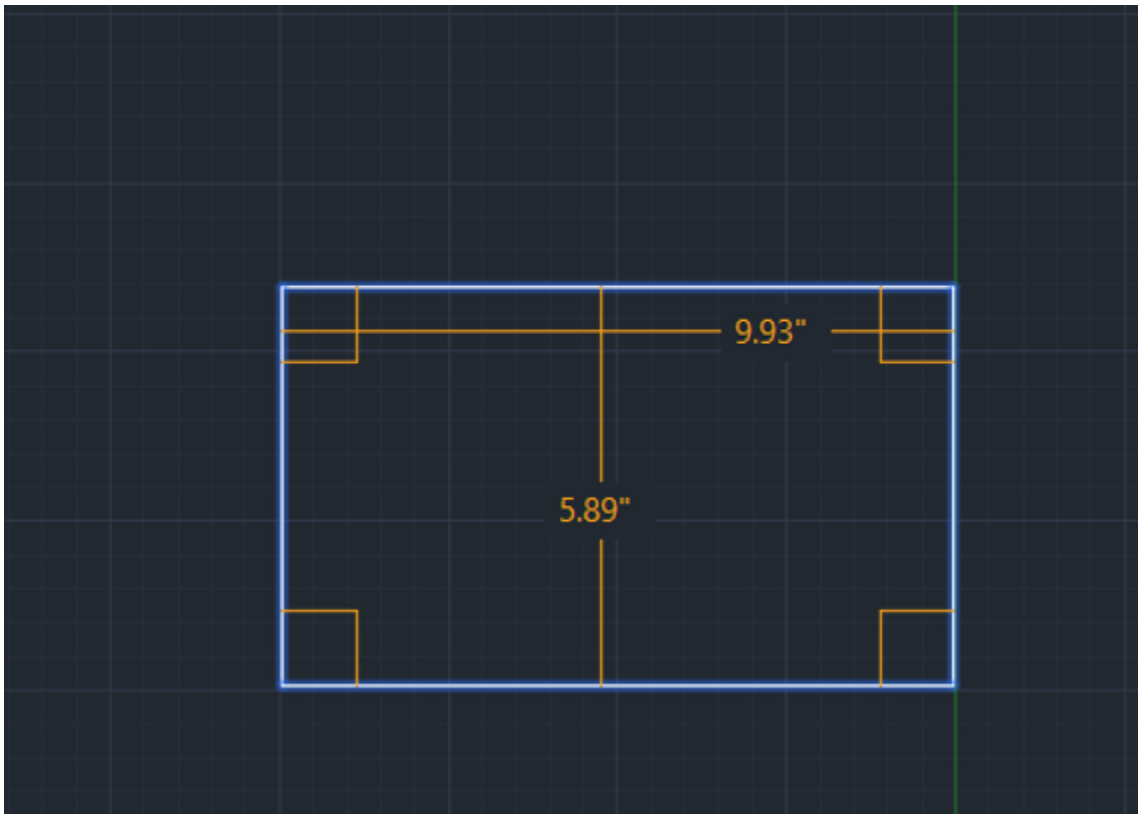
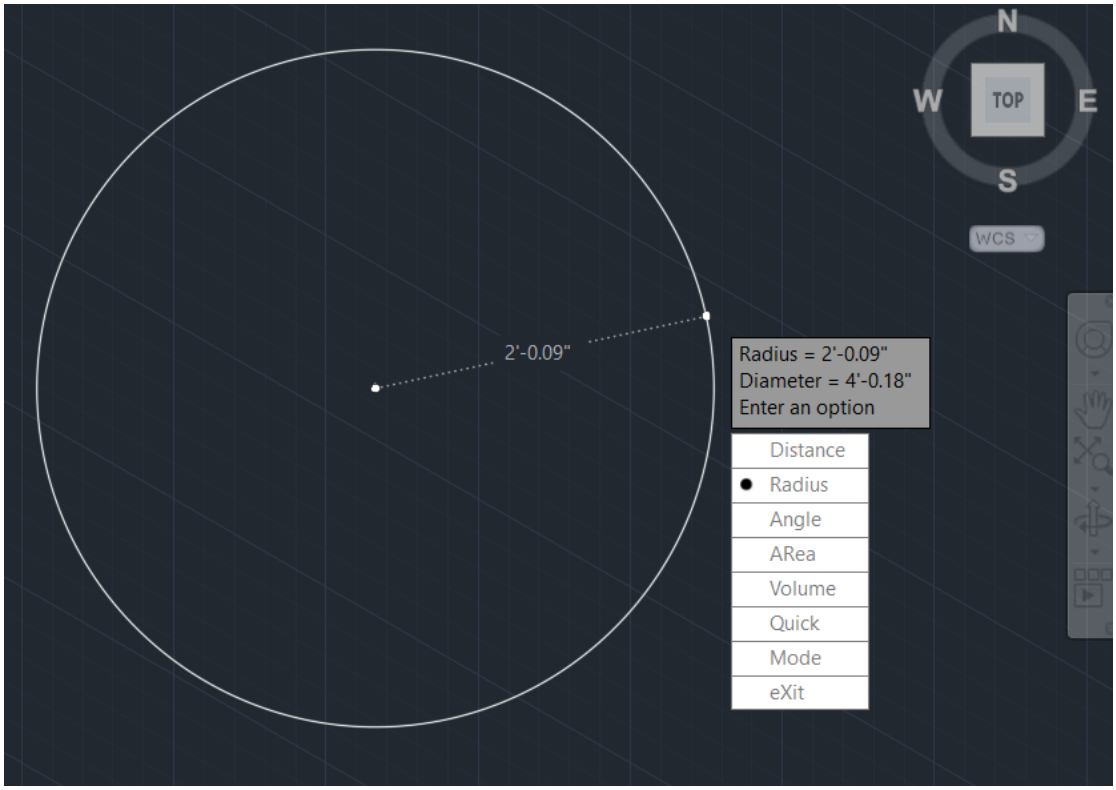
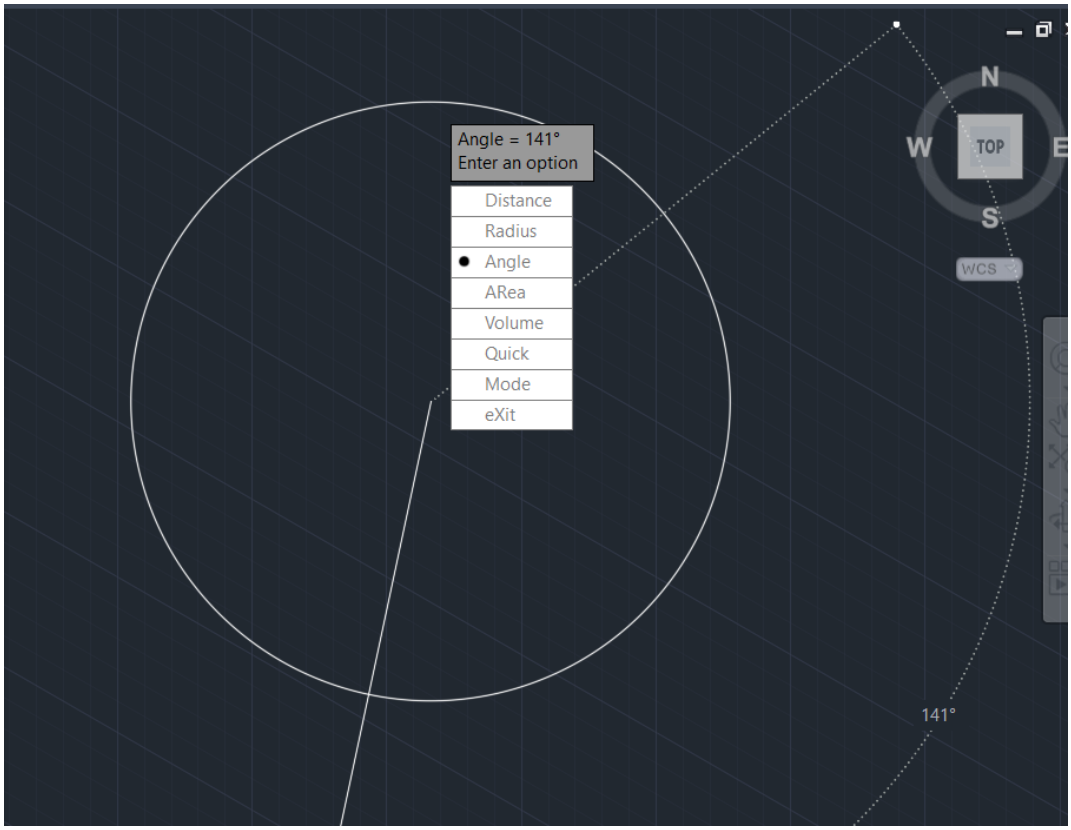


Figure: **Circle**

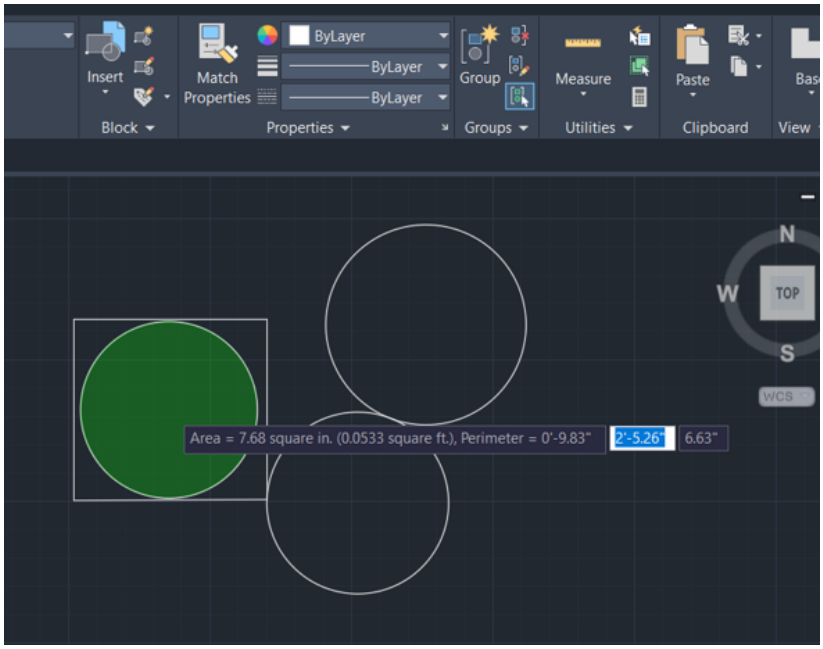


The Radius of the above circle is 2’-0.09’’



The angle of the above circle is 141 degrees.

Figure: 3 types of circles which are
2-point , 3-point & Tan, Tan, Radius



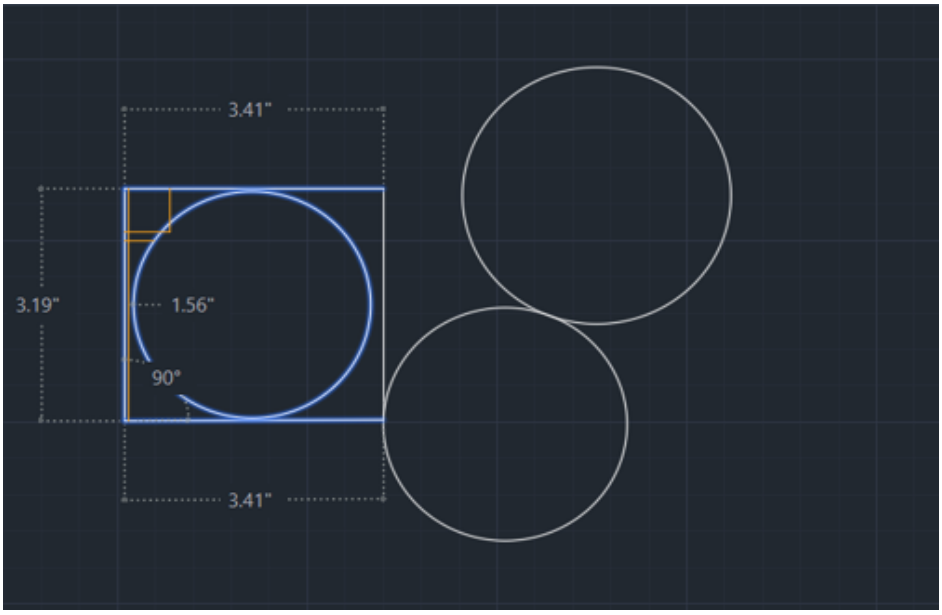


Figure : Tan, Tan, Radius

6. ANALYSIS AND DISCUSSION

1. I tried my best to show the result of the experiment.
2. This is my first time using this software . I like tools which are both friendly as well as sometimes difficult. .
3. Isometric figure it tooks high time than other figures. Also the Tan, Tan , radius figure took second most time .
4. After all, measuring and units were good enough to complete the task.

7. SUMMARY:

When installing the Autocad software I faced many difficulties. I tried thrice to install it but failed. On the fourth time I succeed to install the software. From this experiment we are now able to do any 2D drawing and when doing the experiment I face some problems.