

ME 1403 Engineering Practice & Graphics

Lecture 4

Chapter 3

Instructor:

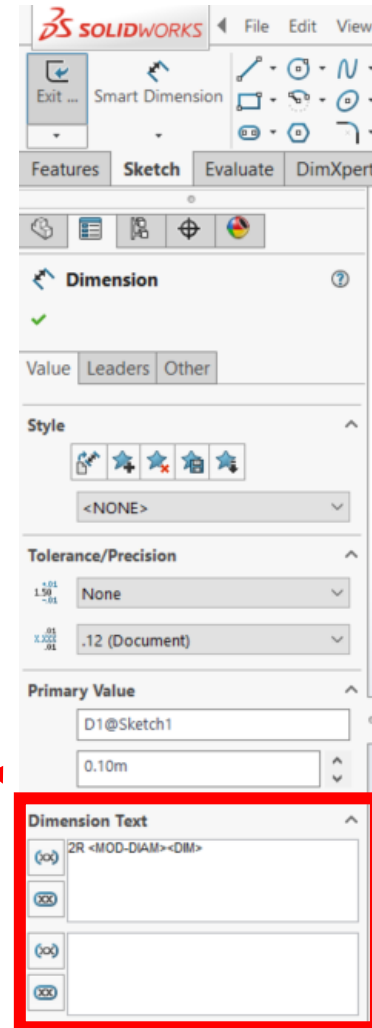
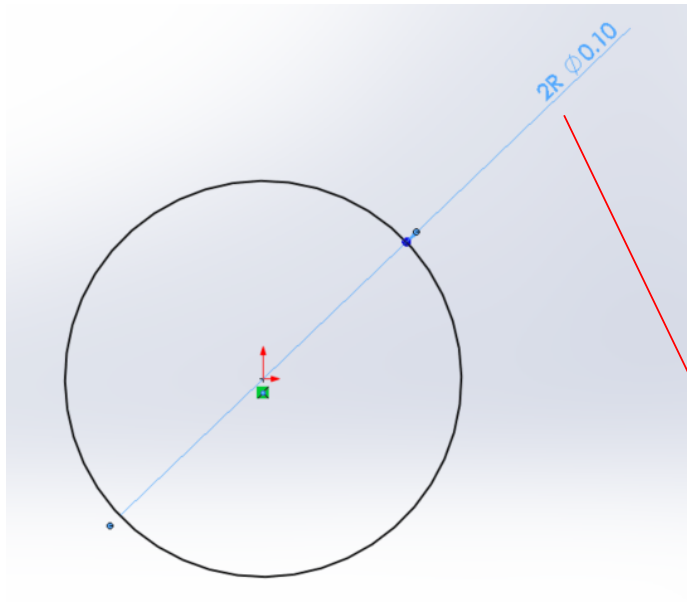
Syed Hasib Akhter Faruqui

[Email: shafnehal@gmail.com](mailto:shafnehal@gmail.com)

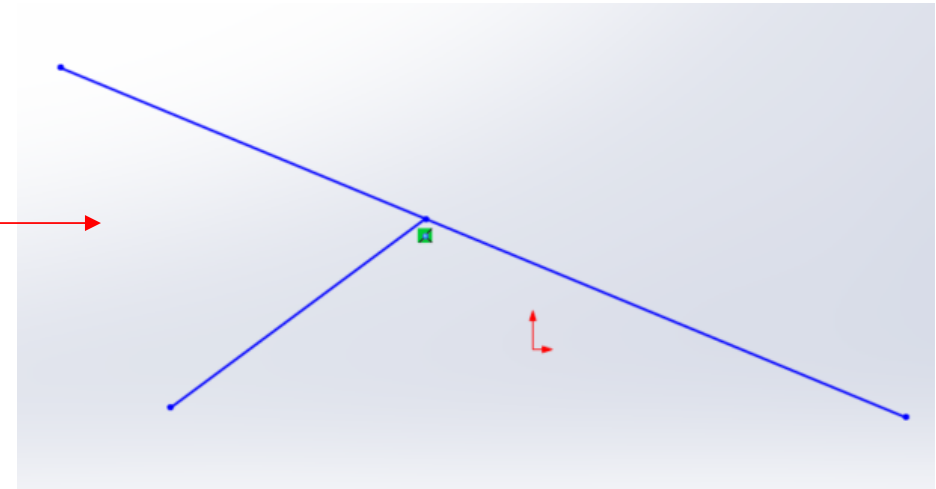
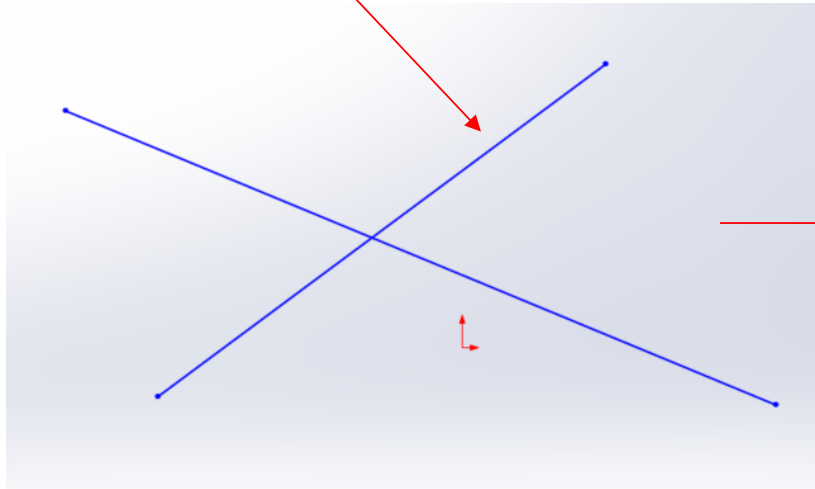
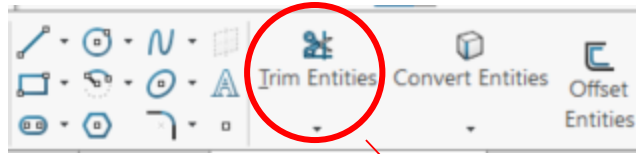
Outline

- Tools / Methods
 - Labeling Dimensions
 - Convert Entities
 - Trimming/ Extending
 - Offseting
 - Fillet / Chamfer
 - Pattern
- Practice
 - Exercise 4

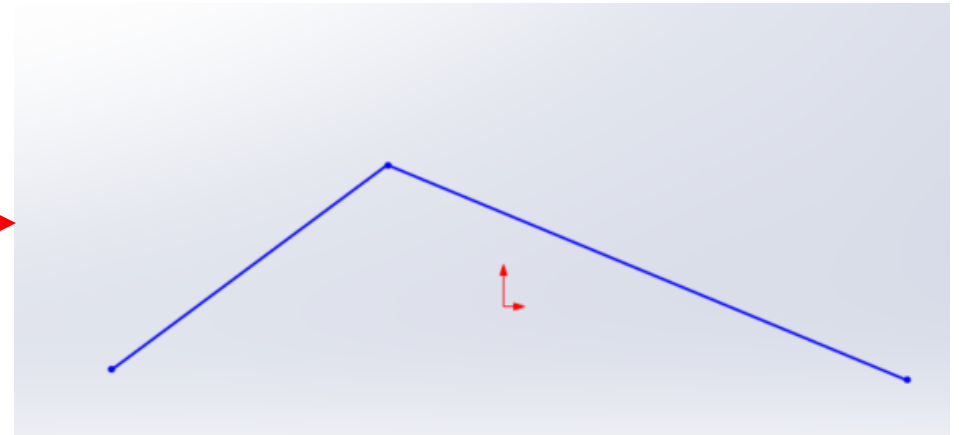
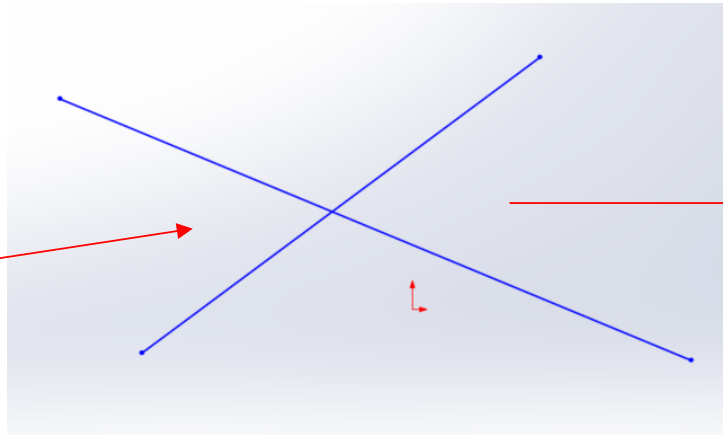
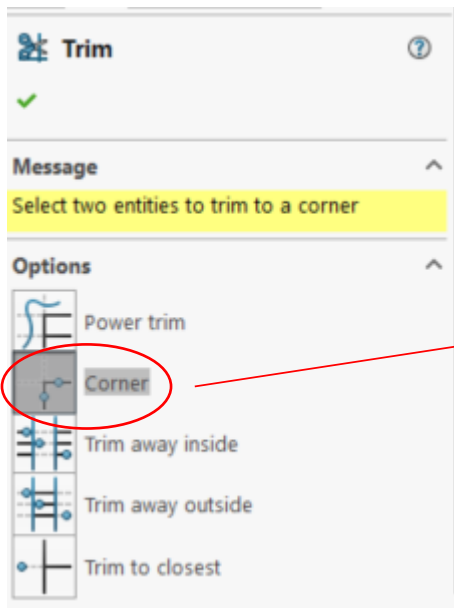
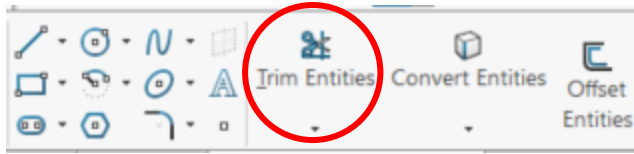
Labeling Dimensions



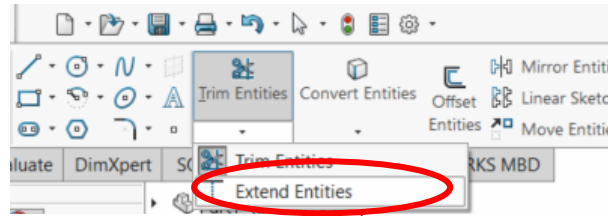
Trimming Tool



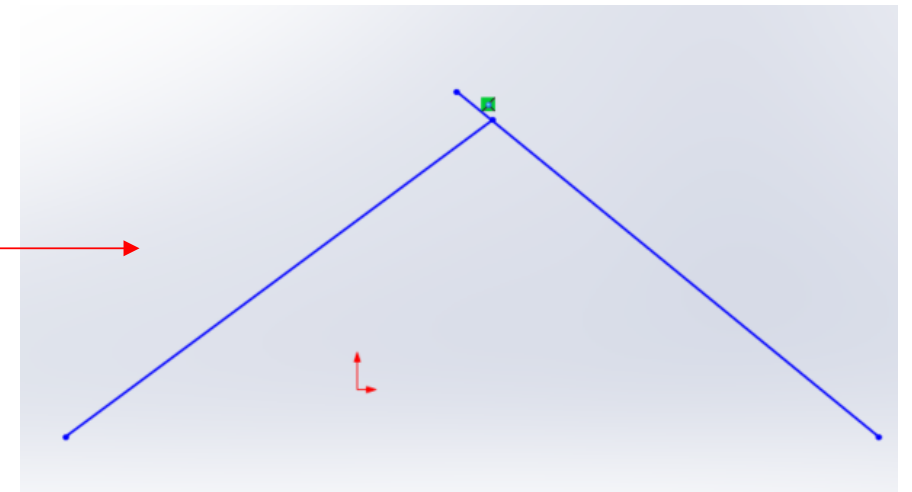
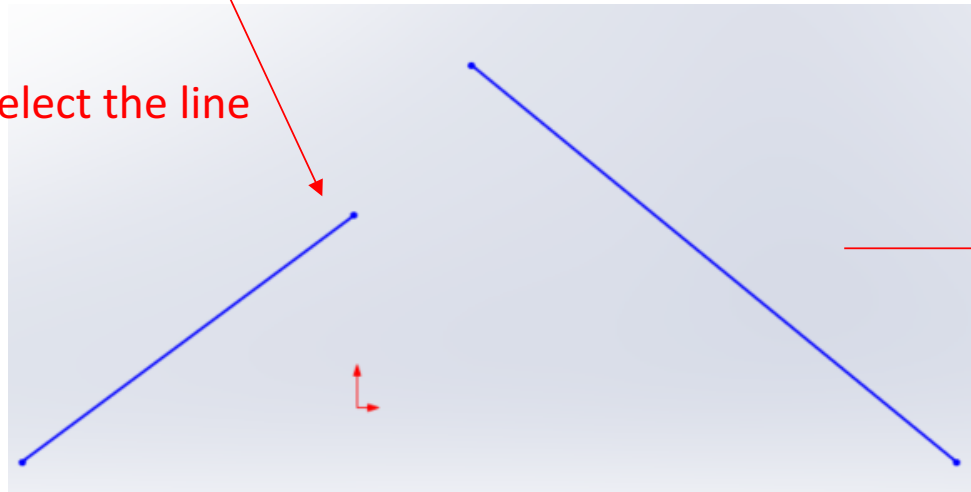
Trimming Tool



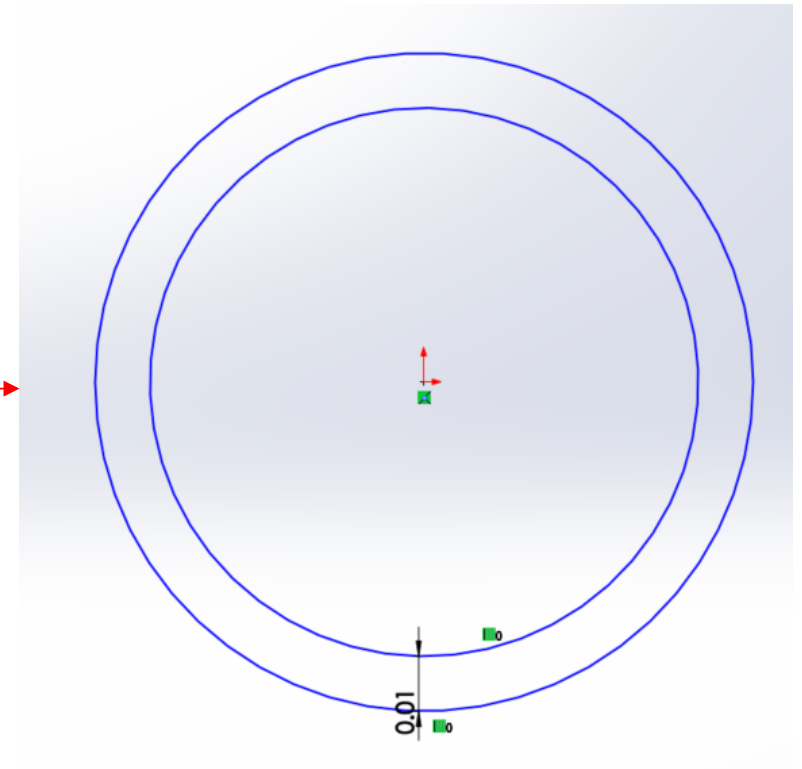
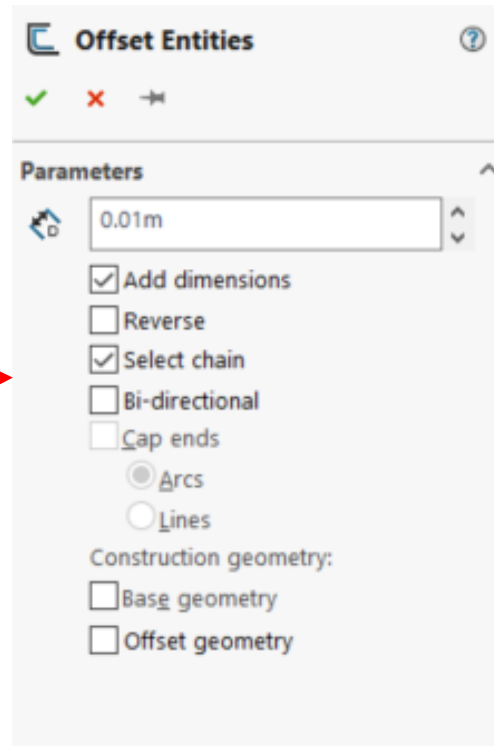
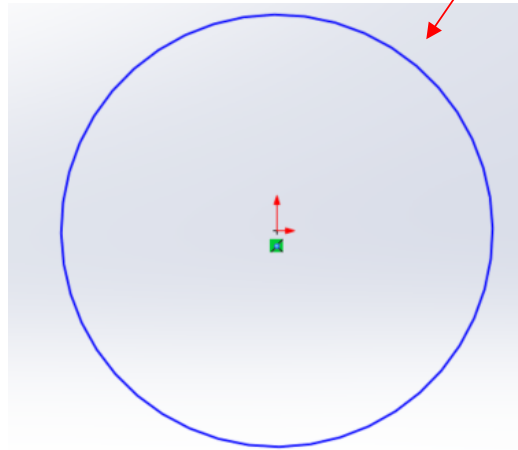
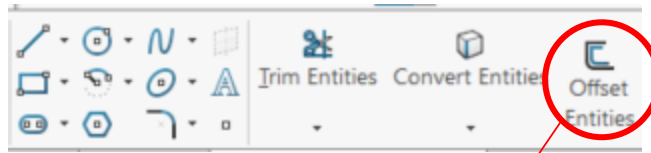
Extending



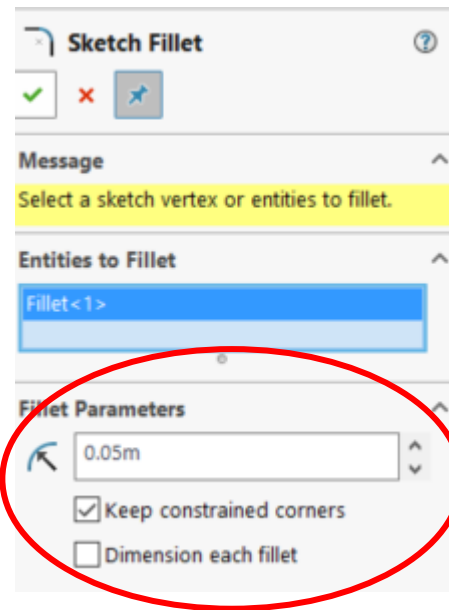
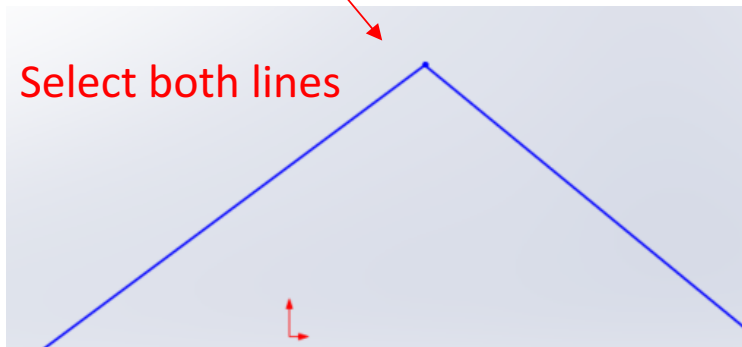
Select the line



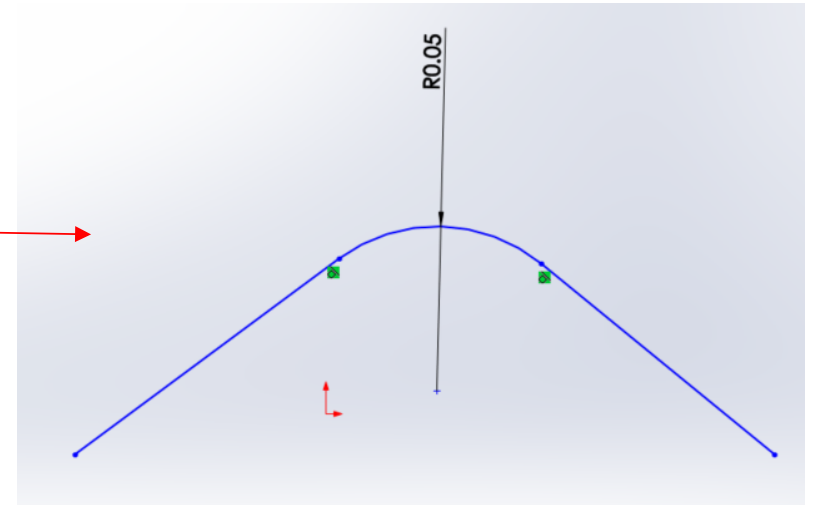
Offsetting



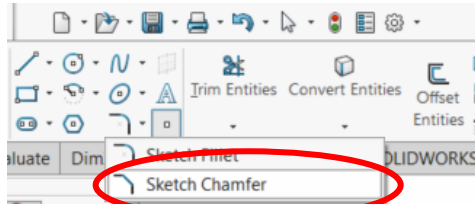
Fillet



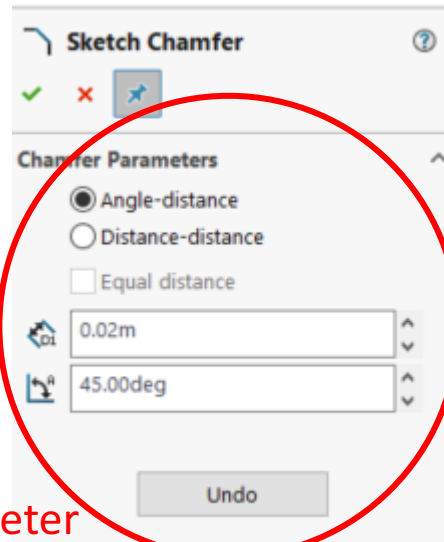
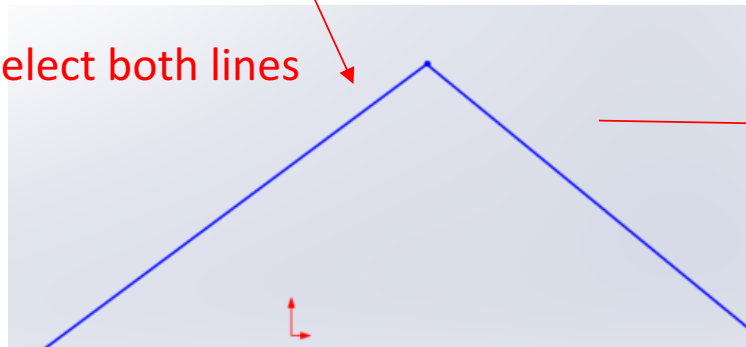
Enter Fillet Parameter



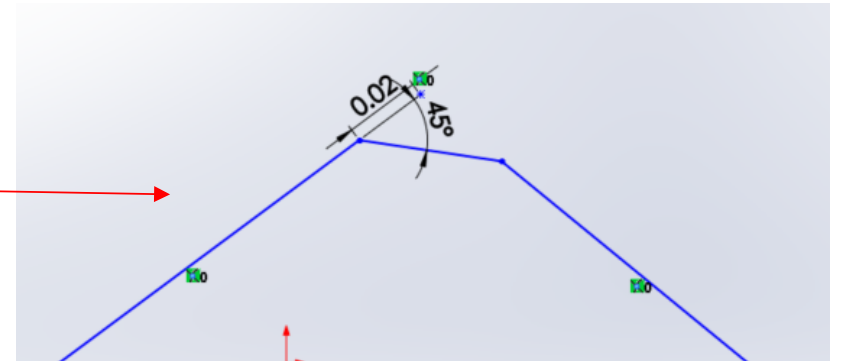
Chamfer



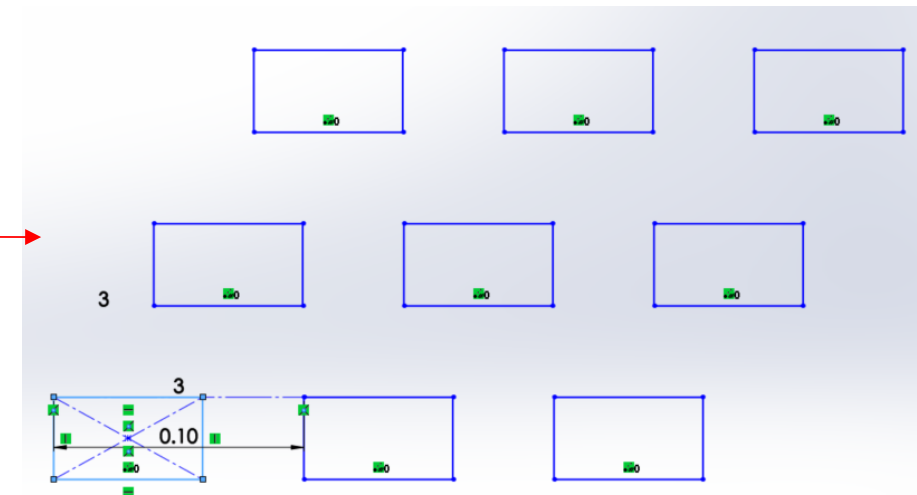
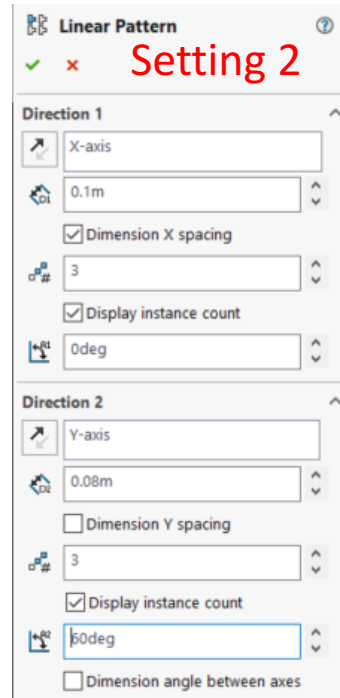
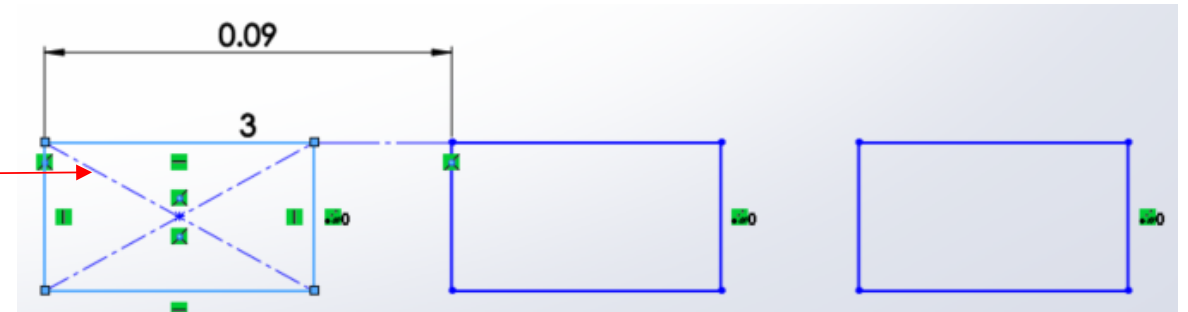
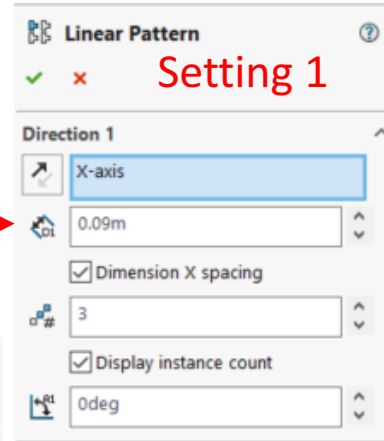
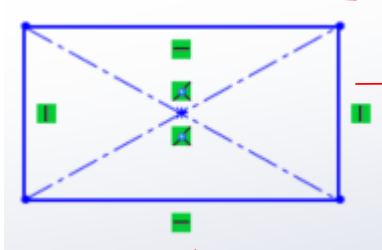
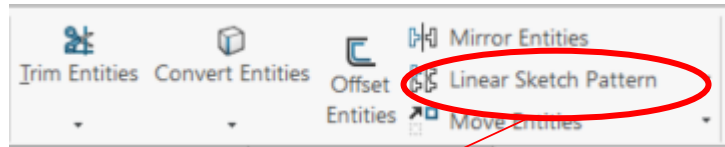
Select both lines



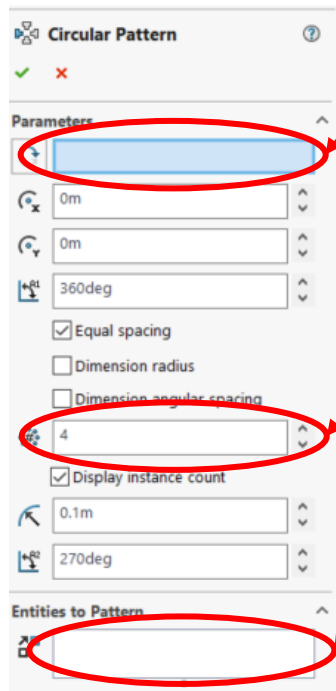
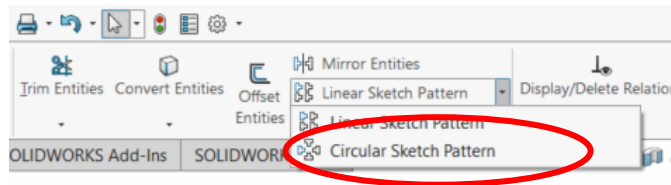
Enter Parameter



Pattern (Linear)



Pattern (Circular)



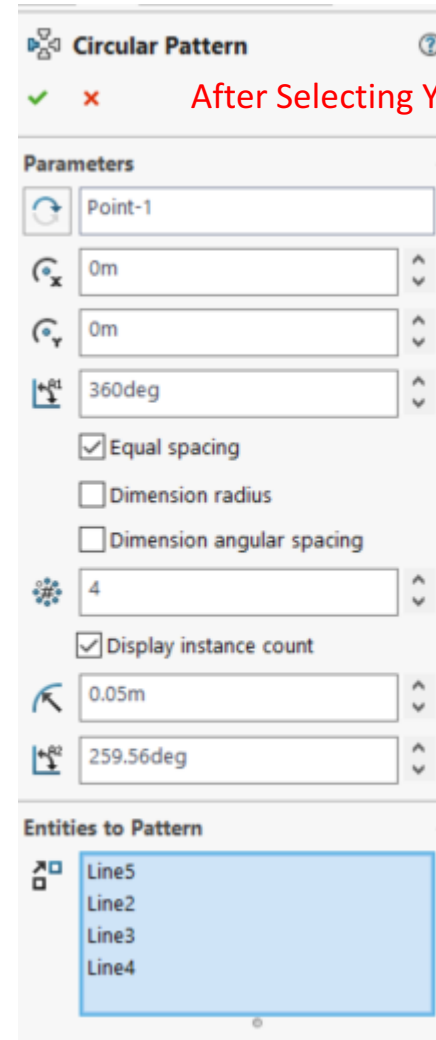
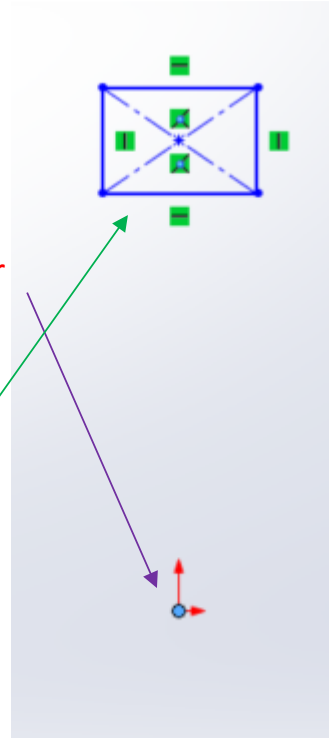
Select point
around which you
want the pattern

Number of
Pattern

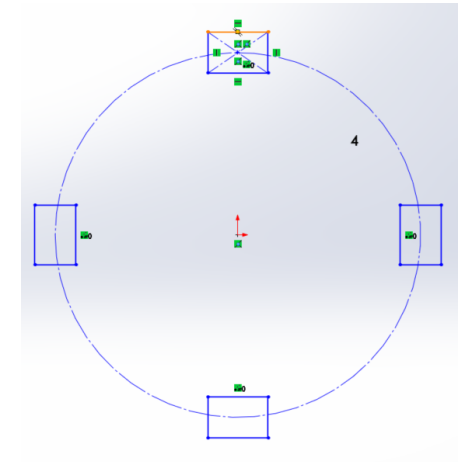
Entities to
pattern

Select this center
point

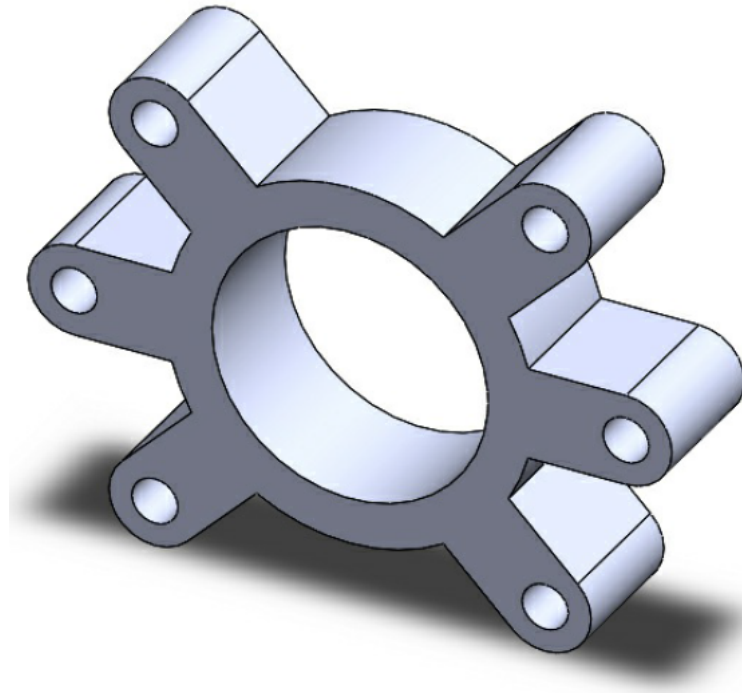
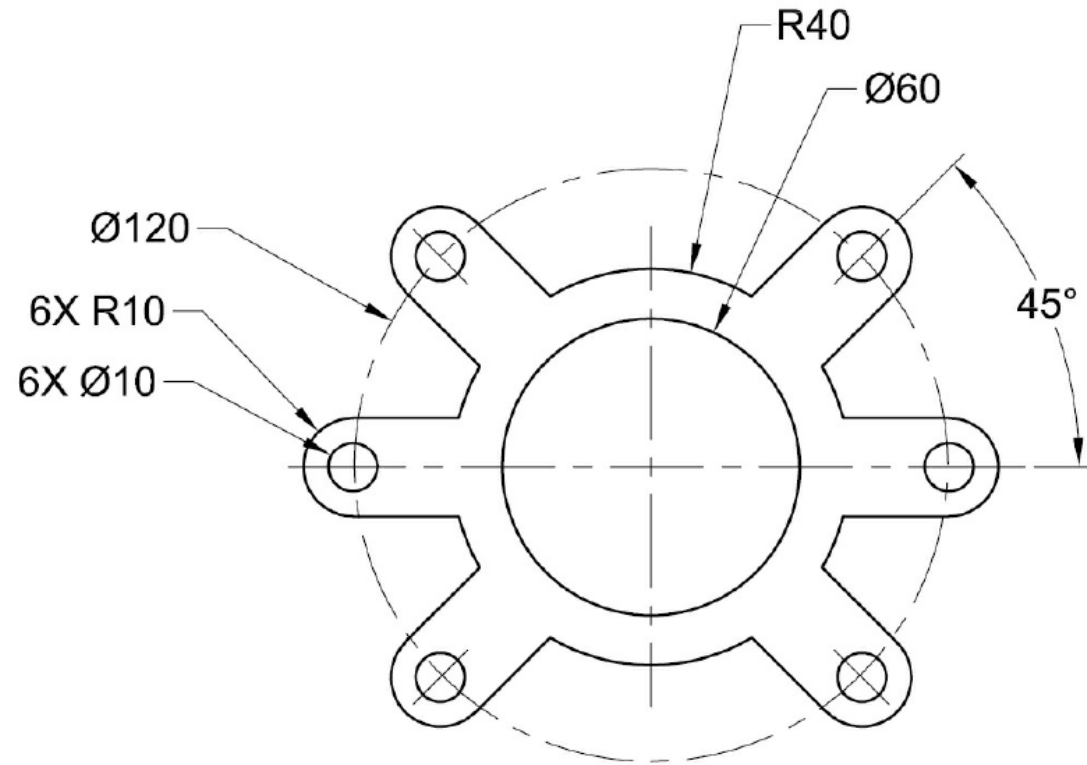
Select these
Entities



After Selecting Your parameters



Exercise 4 (Practice File)



Tools to use:

1. Diameter Measurement
2. Setting Sketches for Construction

Submission Rules

- Homework's are due **at the Sunday 11.59 P.M.** of the following week (*More Discussion on next class*).
- Quiz's will be taken (*More Discussion on later classes*).
- Submit everything via **Blackboard**.
- Copying your assignments are **prohibited**. If you do so, you and the individual you copied from will receive a **grade zero**, plus both of you will be referred for actions as described in the university's policy for academic dishonesty. ([Read Section 203 of the Student Code of Conduct 2013-2013 UTSA Information Bulletin.](#))