ME 1403 Engineering Practice & Graphics

Spring 2018

Lecture 2

Chapter 3

Instructor:
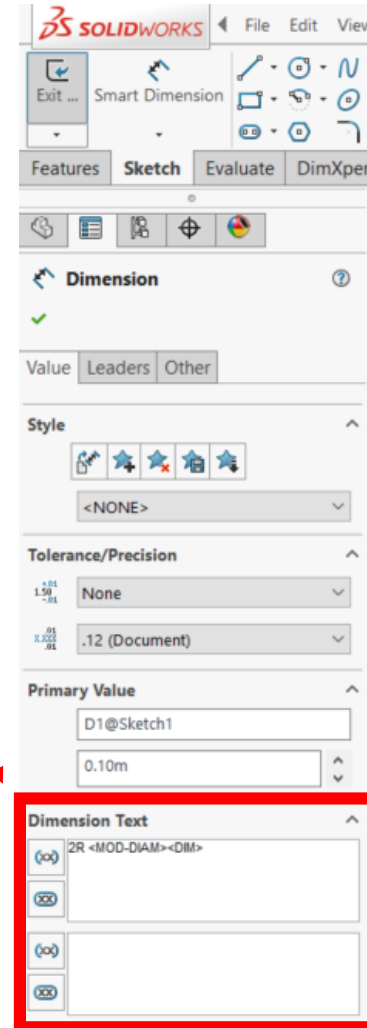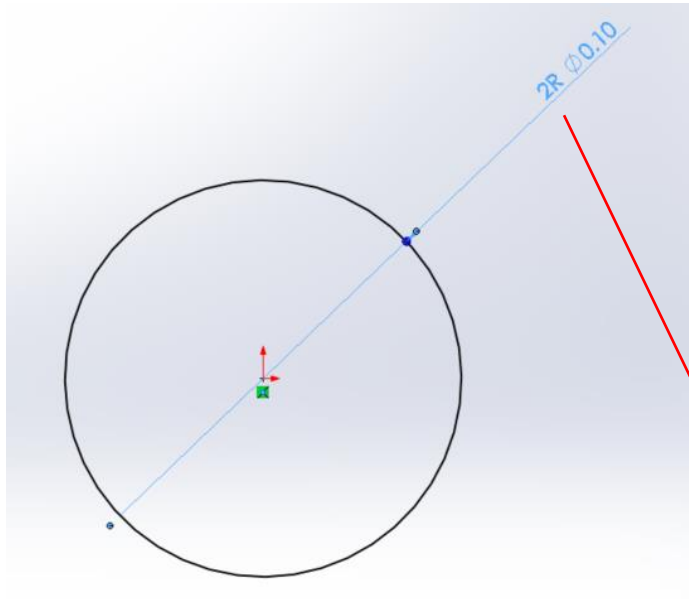
Syed Hasib Akhter Faruqui

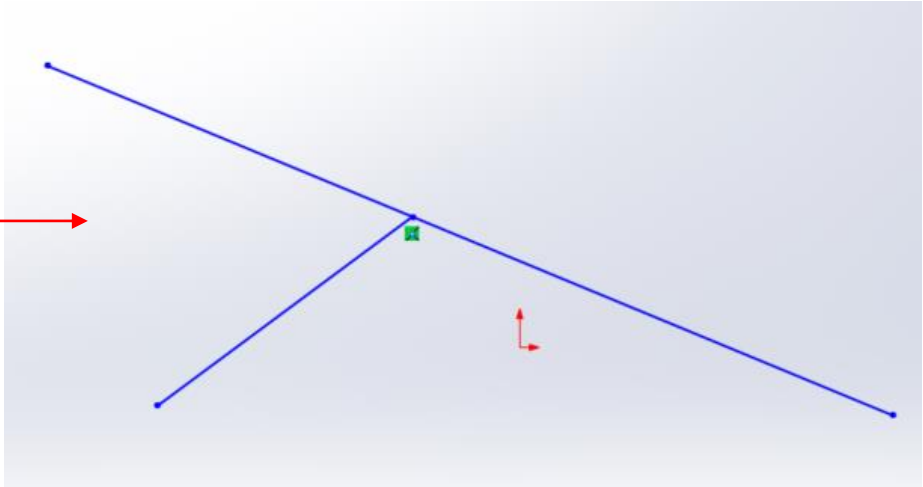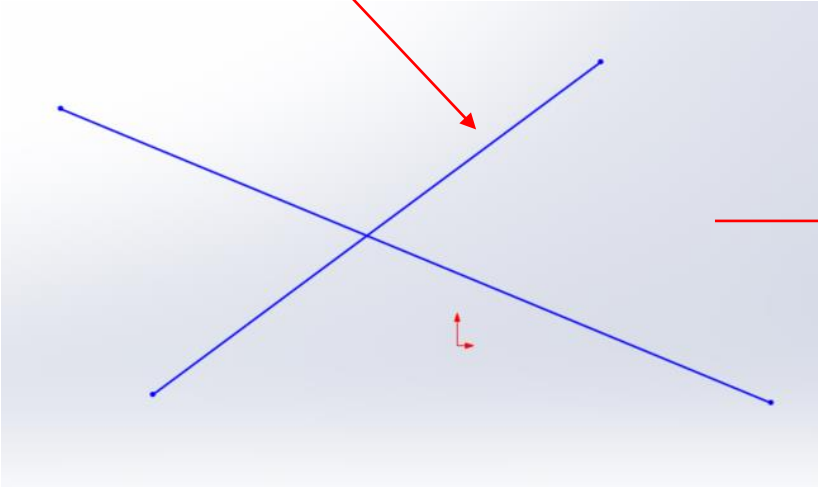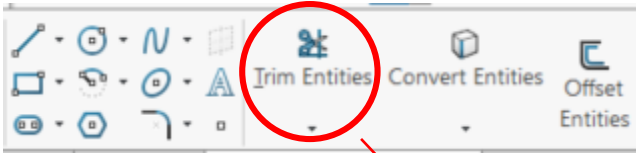Email: shafnehal@gmail.com

Outline

- Tools / Methods
  - Labeling Dimensions
  - Convert Entities
  - Trimming/ Extending
  - Offsetting
  - Fillet / Chamfer
  - Pattern
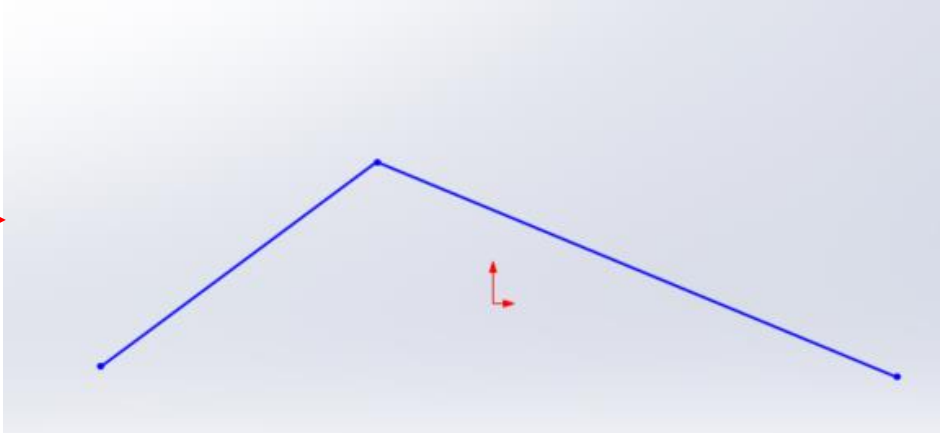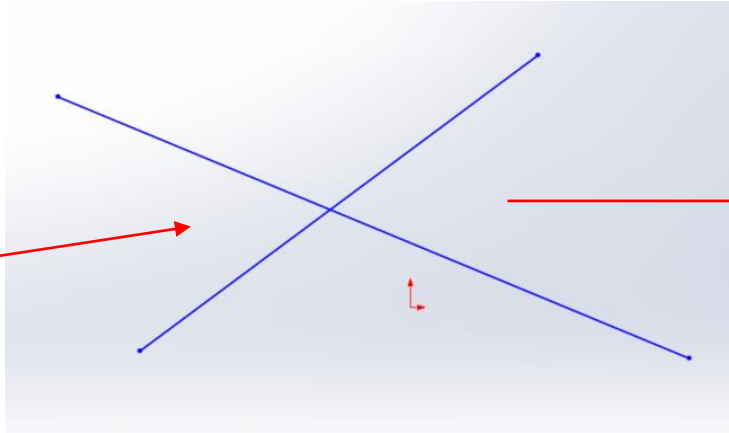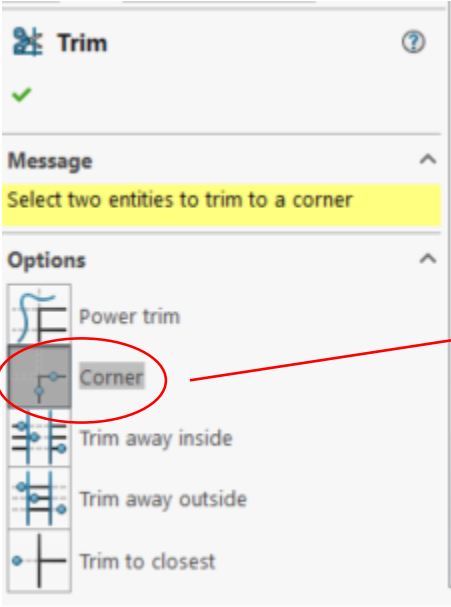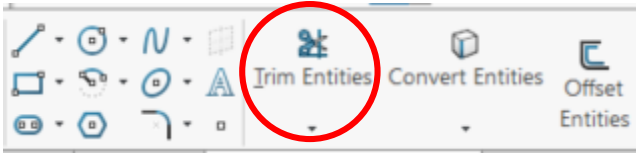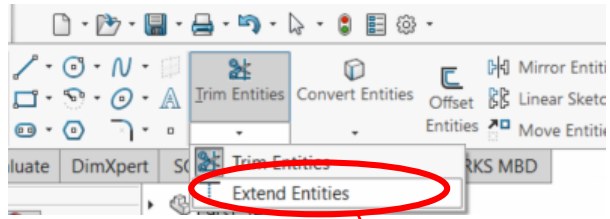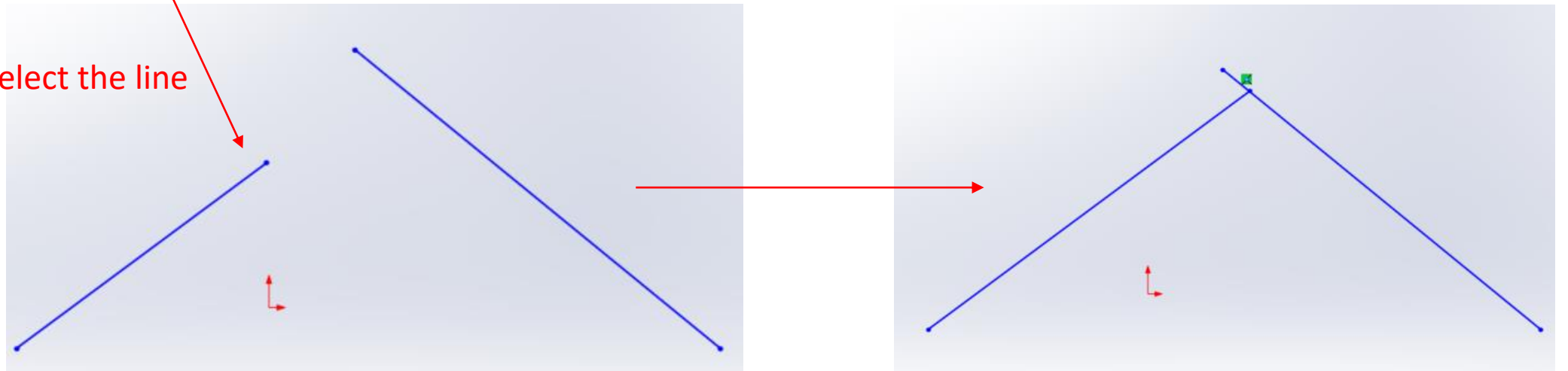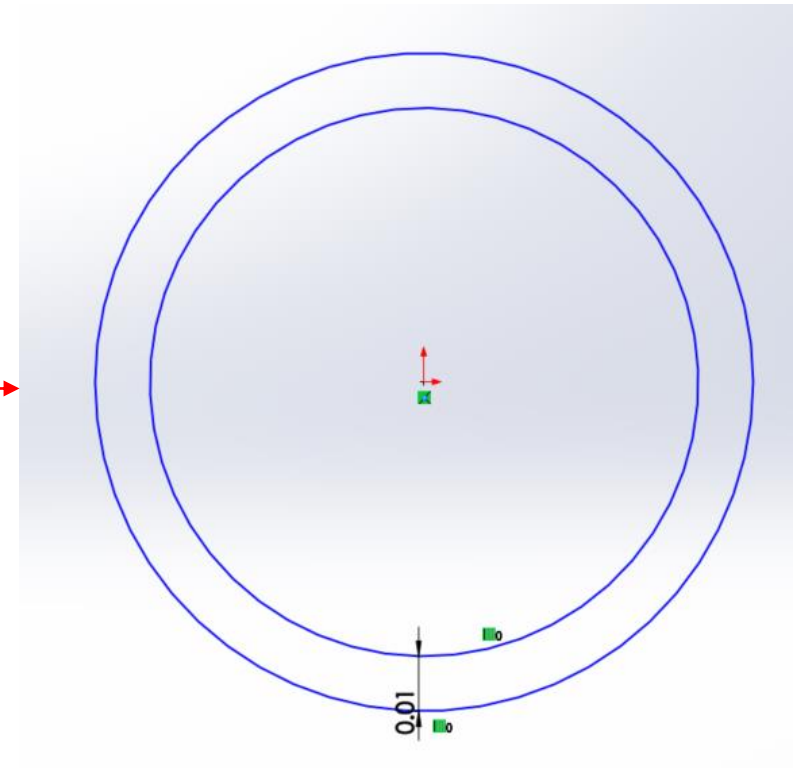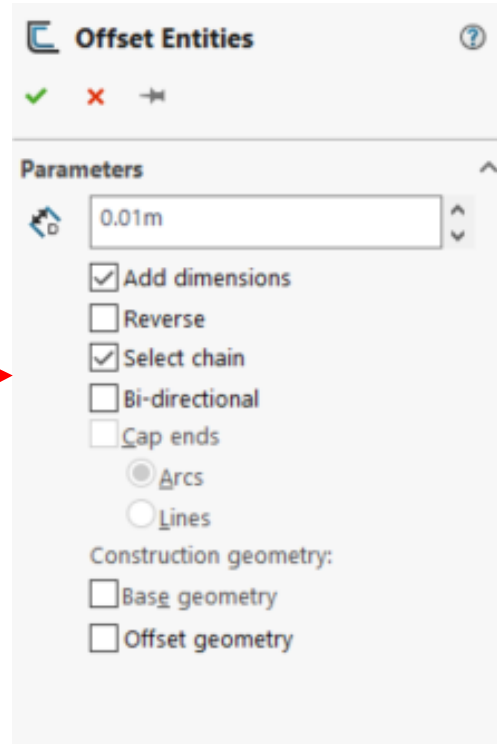
Labeling Dimensions

Trimming Tool

Trimming Tool

Extending

Select the line

Offsetting
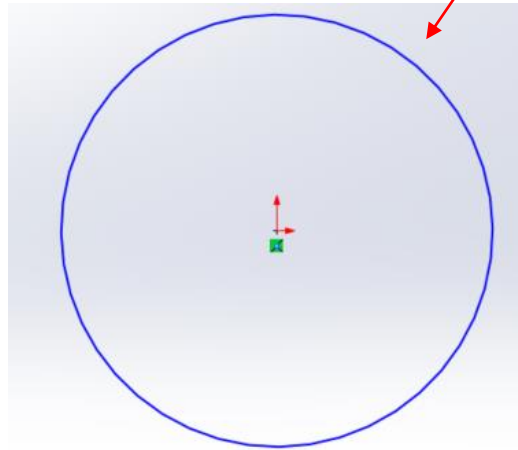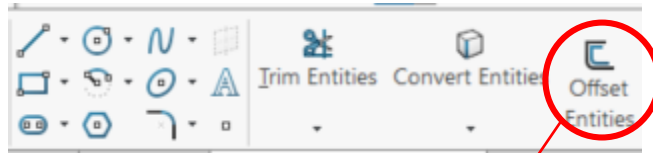
Fillet
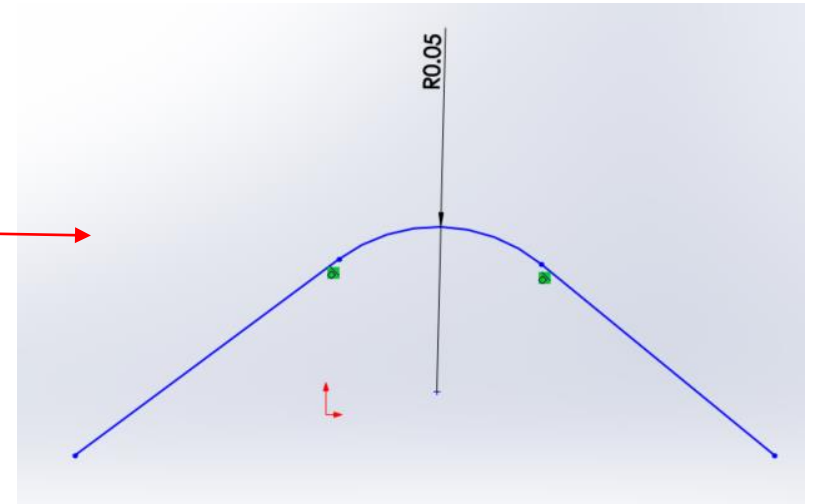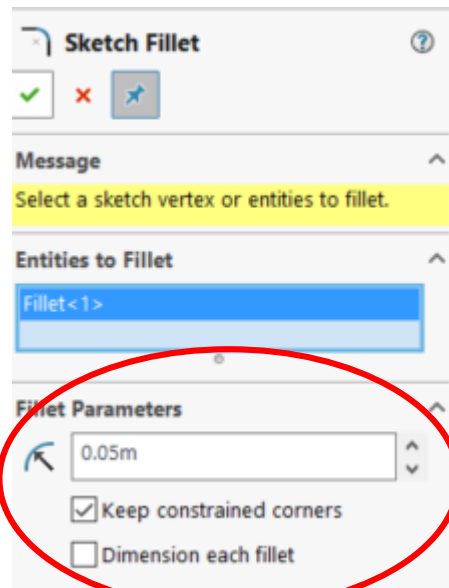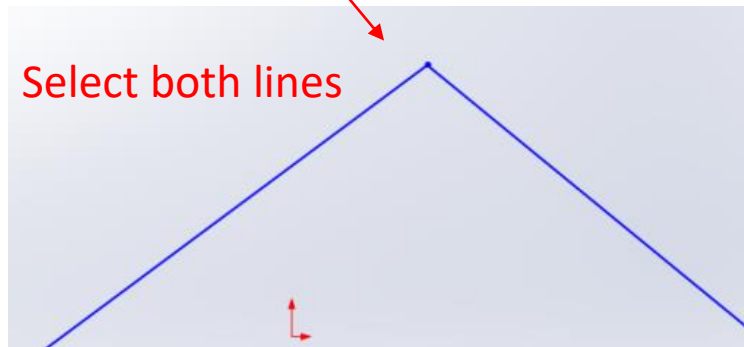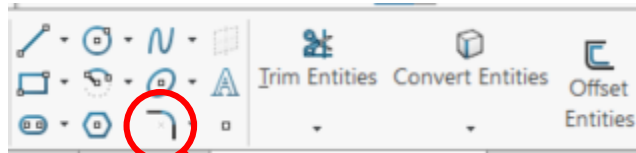
Select both lines

Enter Fillet Parameter

Chamfer

Select both lines

Enter Parameter
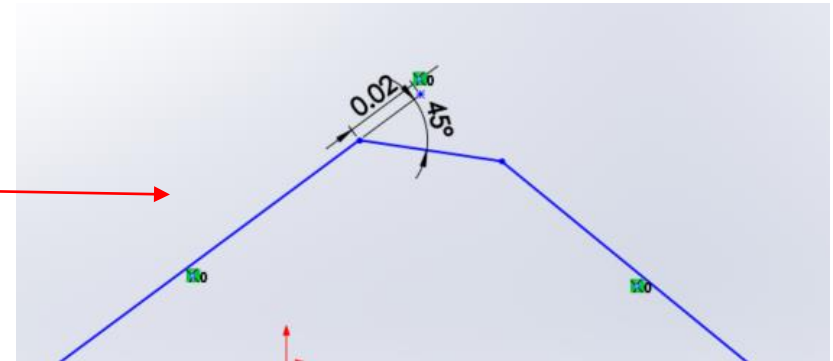
Pattern (Linear)

Pattern (Circular)

Trim Entities Convert Entities Offset Entities Mirror Entities Linear Sketch Pattern Display/Delete Relation

Linear Sketch Pattern
Circular Sketch Pattern

SOLIDWORKS Add-Ins   SOLIDWORK

Circular Pattern

Parameters

0m
0m
360deg

☑ Equal spacing
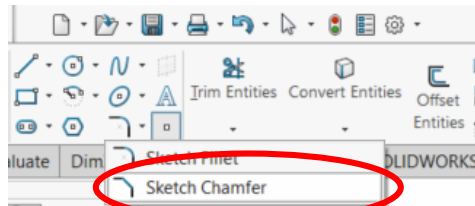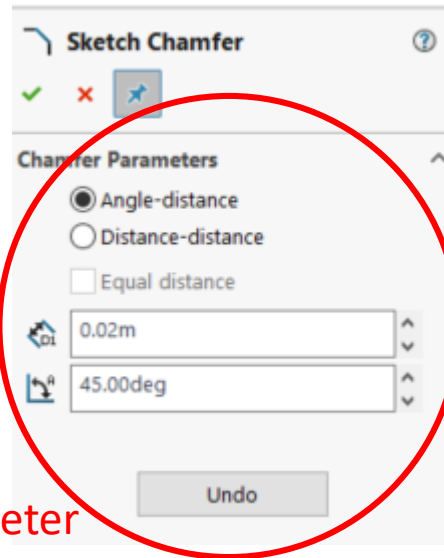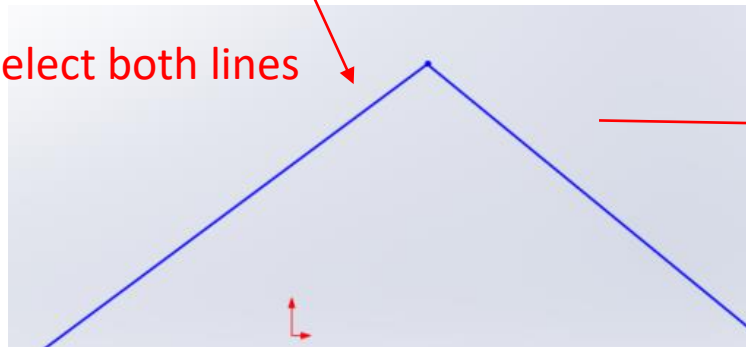☐ Dimension radius
☐ Dimension angular spacing

4

☑ Display instance count

0.1m
270deg
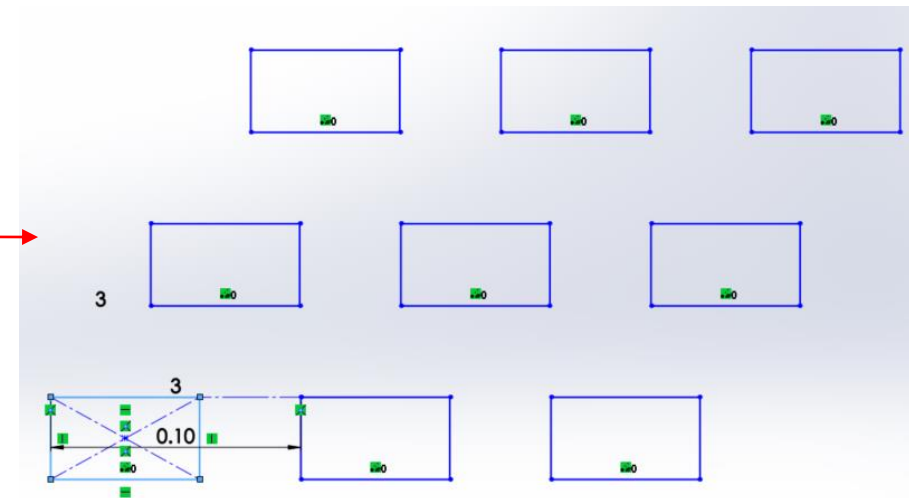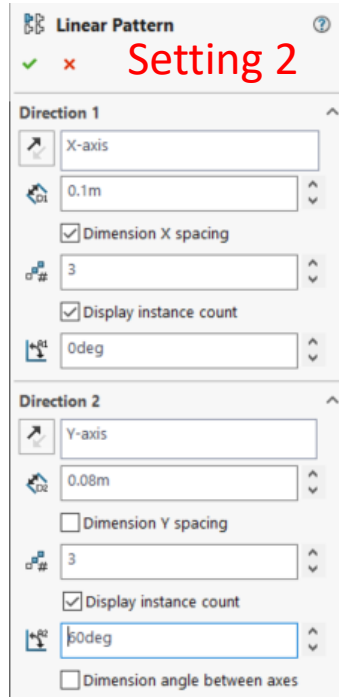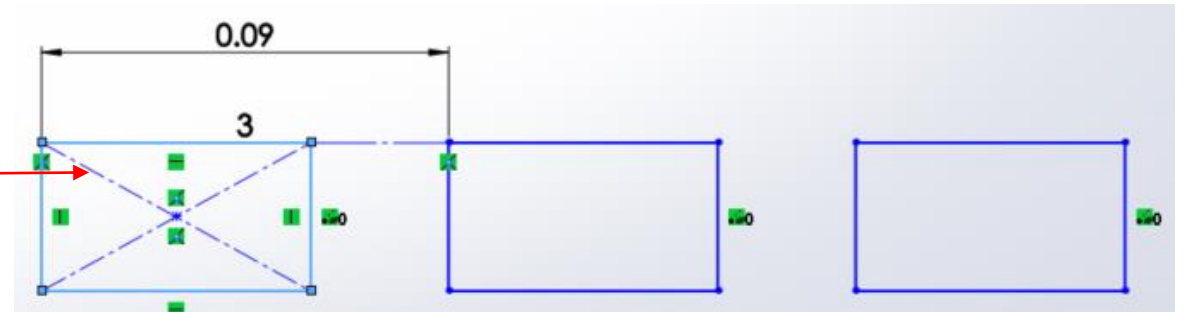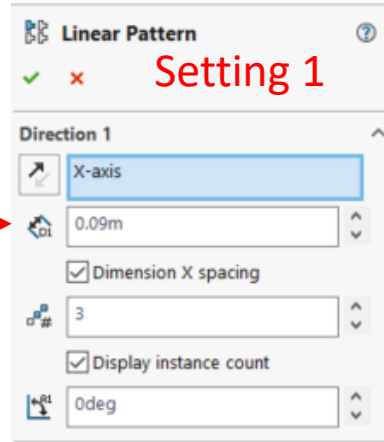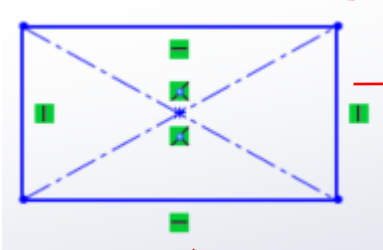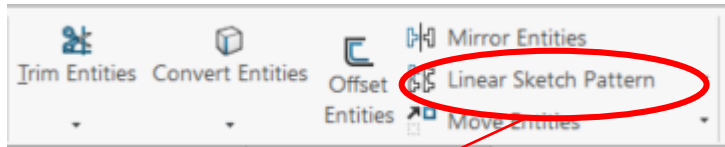
Entities to Pattern
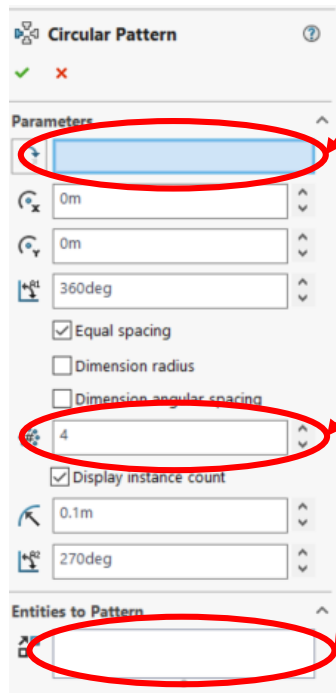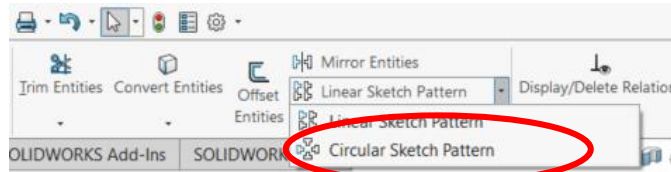
Select point around which you want the pattern

Number of Pattern

Entities to pattern

Select this center point

Select these Entities

Circular Pattern
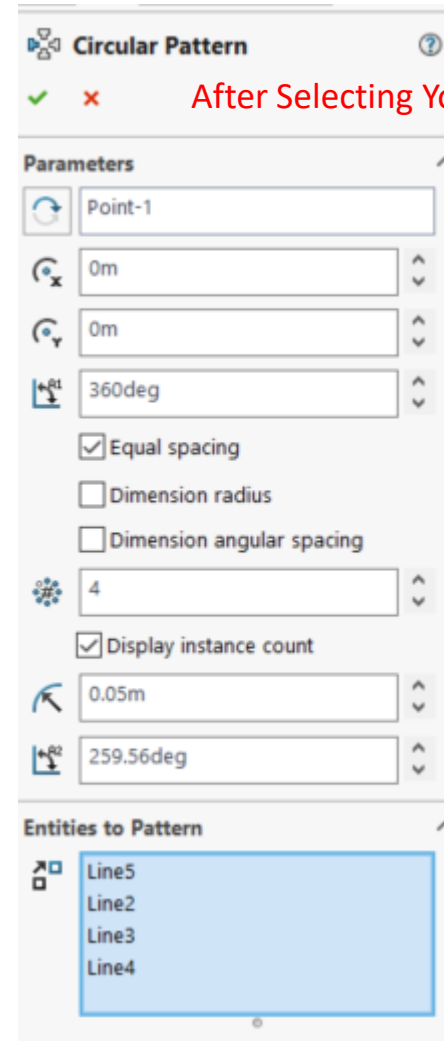
After Selecting Your parameters

Parameters

Point-1
0m
0m
360deg

☑ Equal spacing
☐ Dimension radius
☐ Dimension angular spacing

4

☑ Display instance count

0.05m
259.56deg

Entities to Pattern

Line5
Line2
Line3
Line4

4
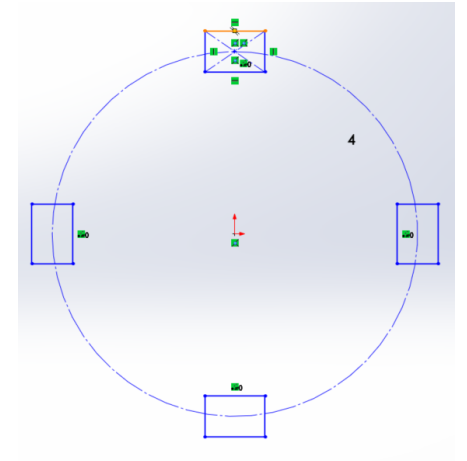
Announcement!
Quiz 1 (Next Class)

- Topics:
  - Chapter 2
  - Chapter 3
    - Fillet/Chamfer
    - Trimming/ Extending
    - Offsetting

- Time
  - 15 minutes

Submission Rules

- Homework's are due **at the** <mark>**Monday 11.59 P.M.**</mark> 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.)