ME 1403 Engineering Practice & Graphics

# Lecture 2

Chapter 2

Instructor:

Syed Hasib Akhter Faruqui

Email: shafnehal@gmail.com

# Outline

- Environment
  - Opening Solidworks
  - Introduction to Solidworks Environment
- What kind of Document?
  - Part
  - Assembly
  - Drawing
- Setting up Units and Dimension Standard
  - Drawing Standard (**ISO/ANSI**)
  - Unit System (**MKS/MMGS**)
- Mouse Gestures
- Sketching
  - Plane

- Tools / Methods (Check the video posted in website/BB for further Help)
  - Line
  - Construction Line/ Centerline
  - Circle
  - Dimensioning
  - View Tools
  - Fix position
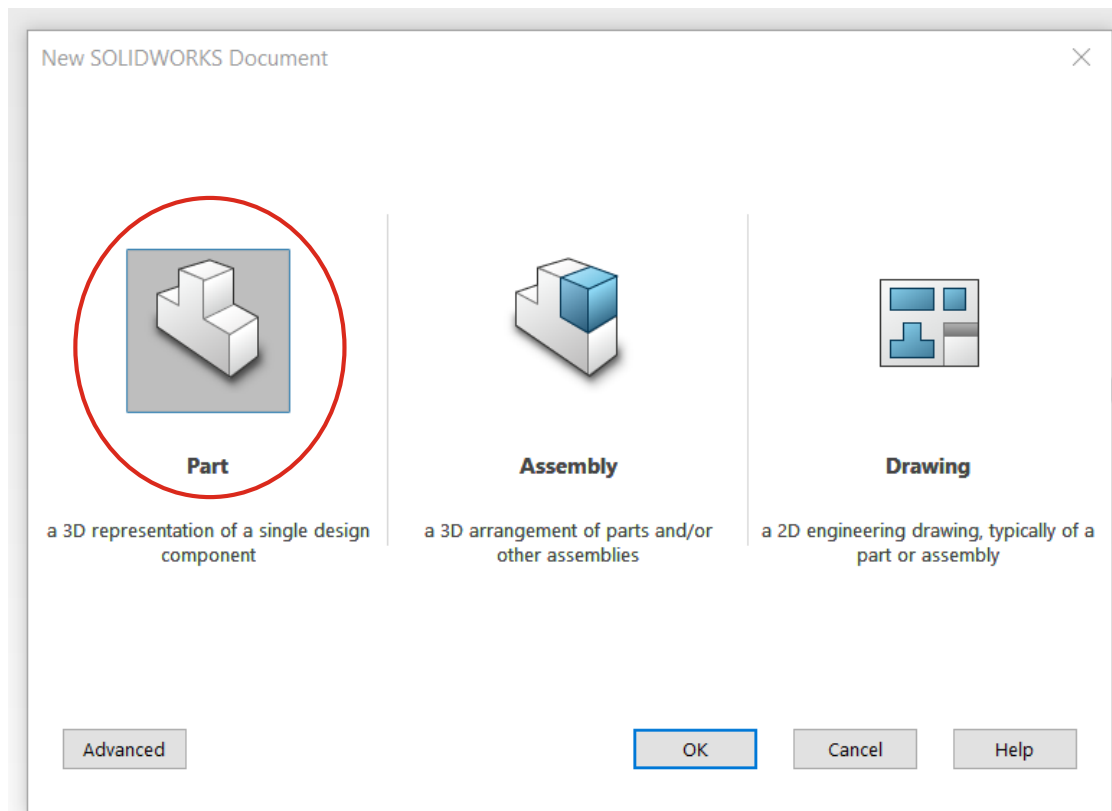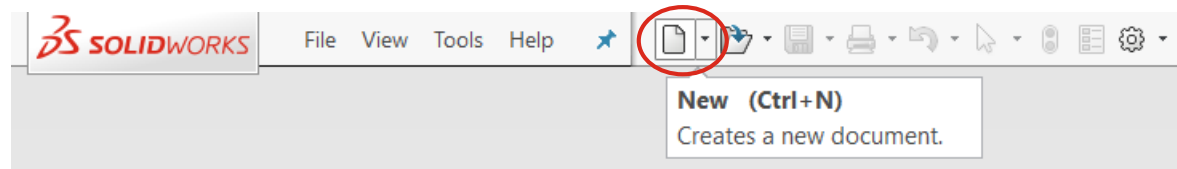- Practice (Will be Graded)
  - Tutorial-2

# Solidworks

- You can get access to Solidworks via-
  - Lab Computers
  - myUTSA apps
    - Follow this pdf file.

# Creating New Documents
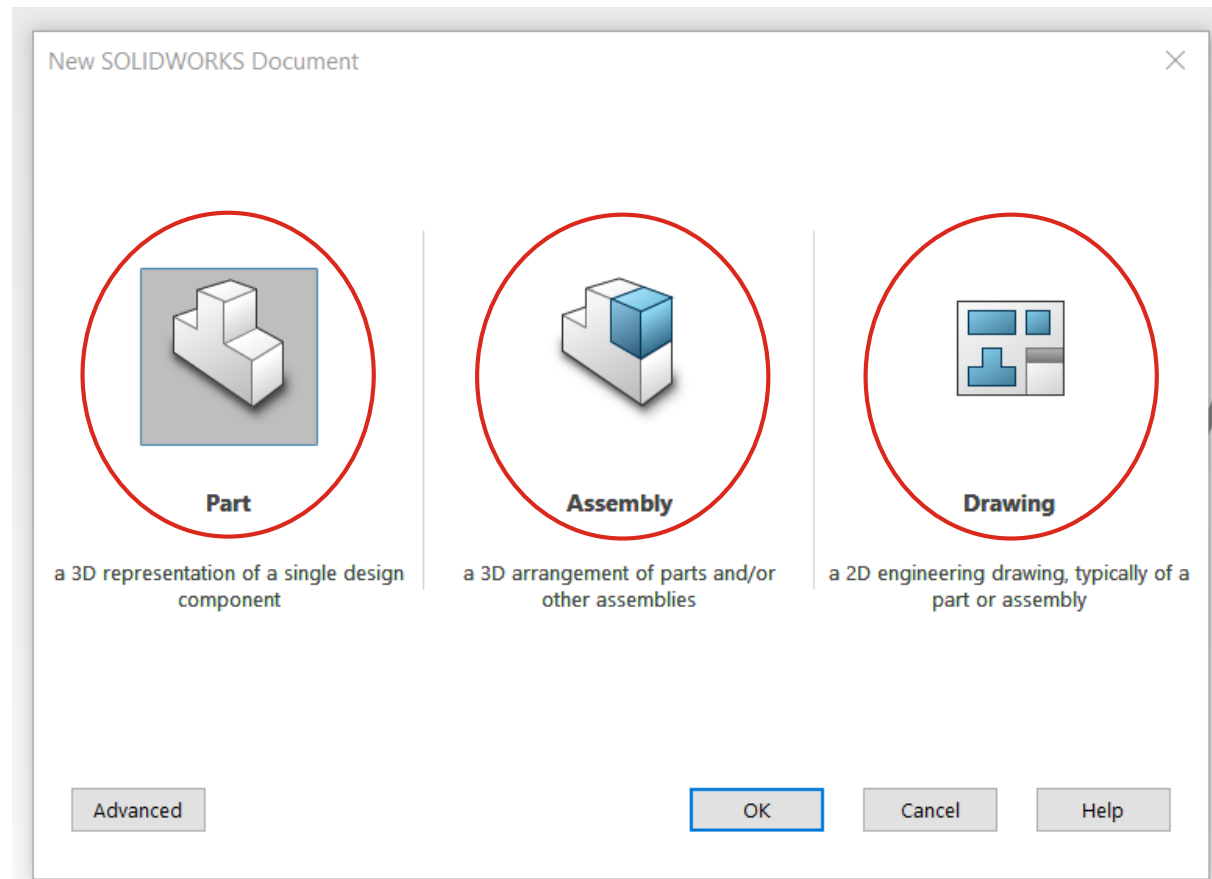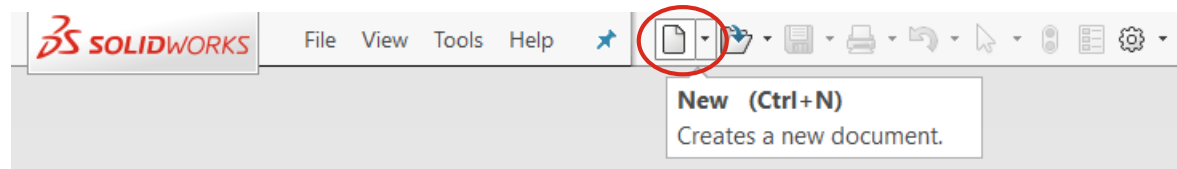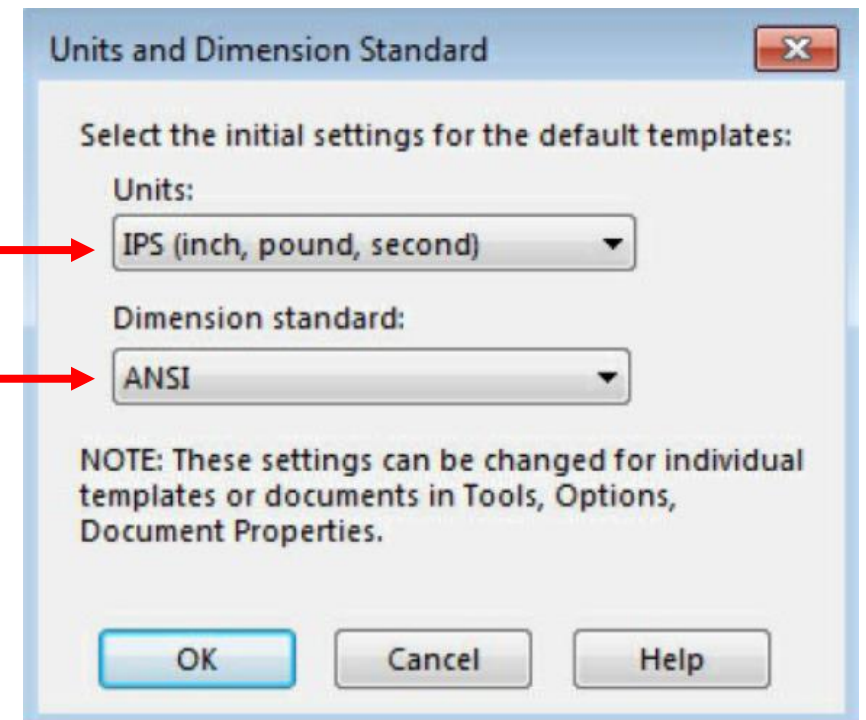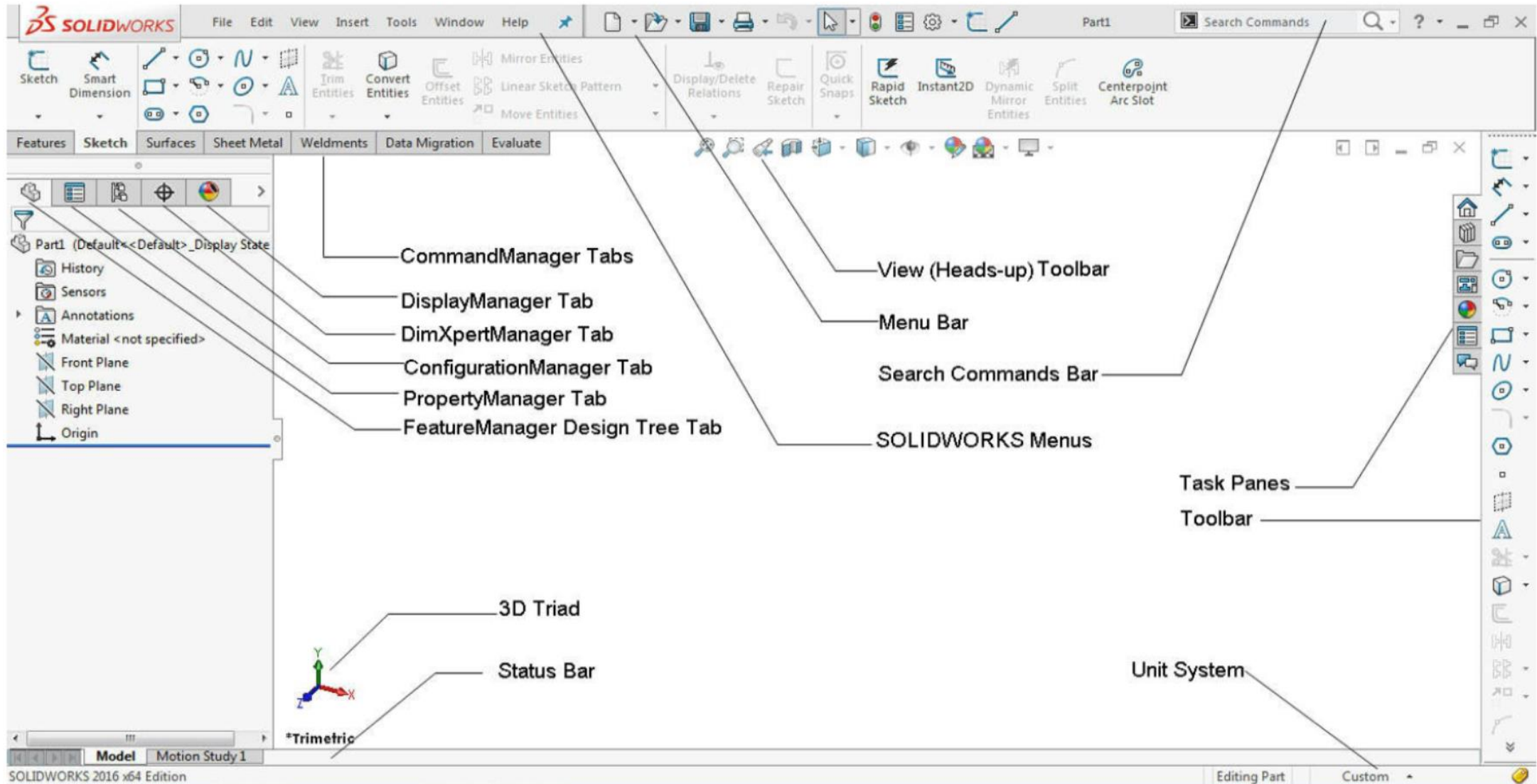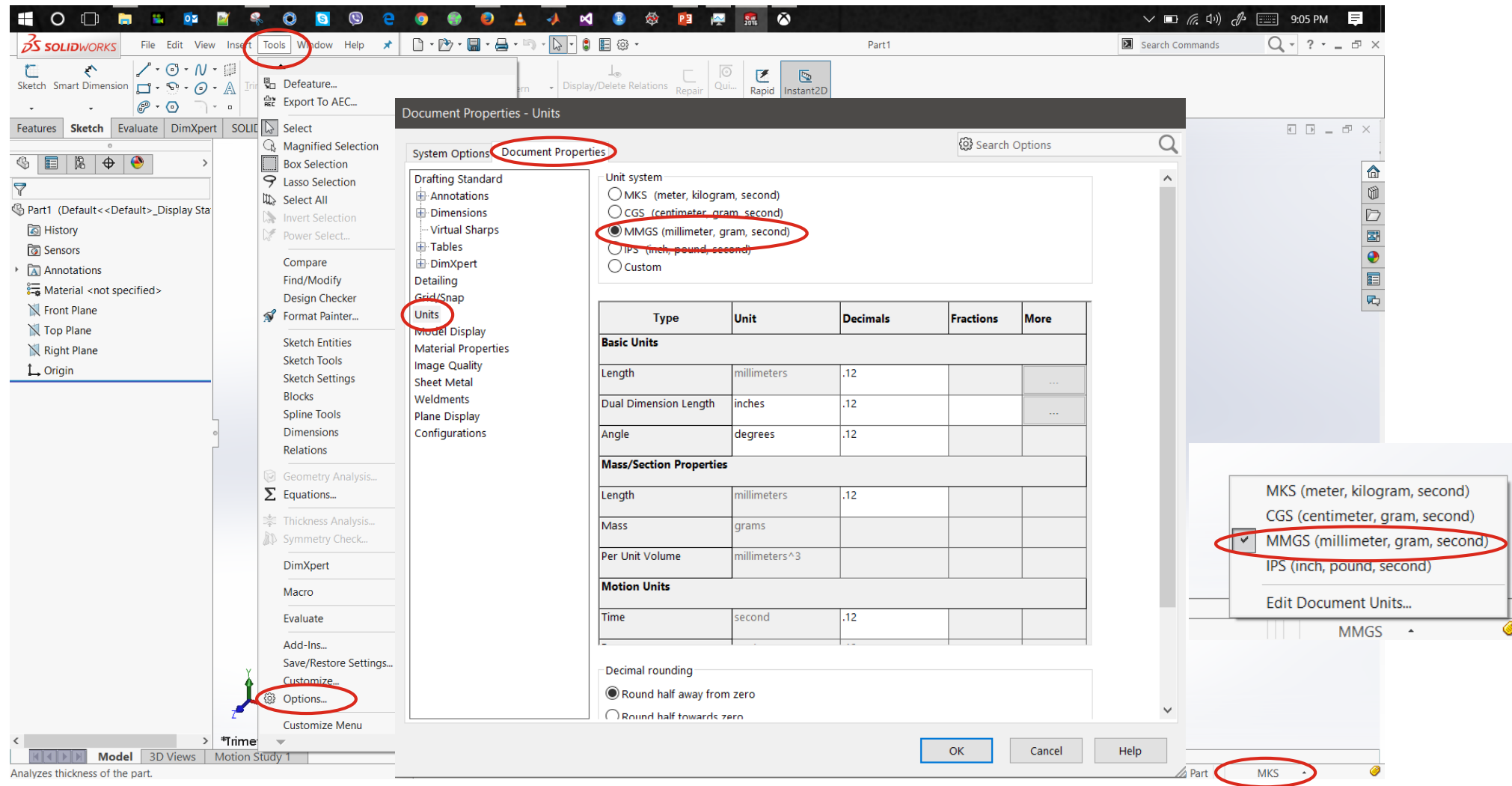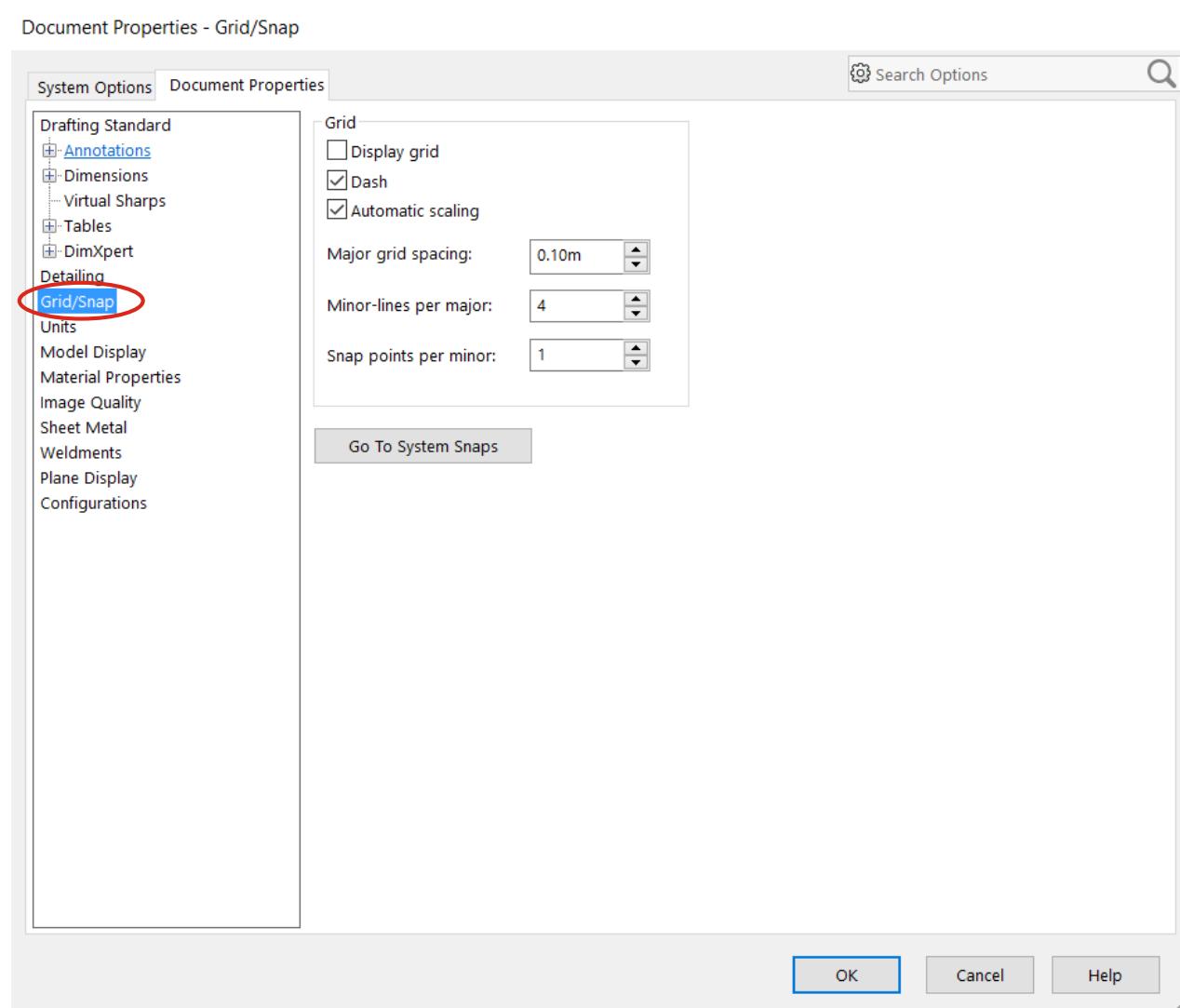
# Setting up Units and Dimension Standard

# Introduction to Solidworks Environment

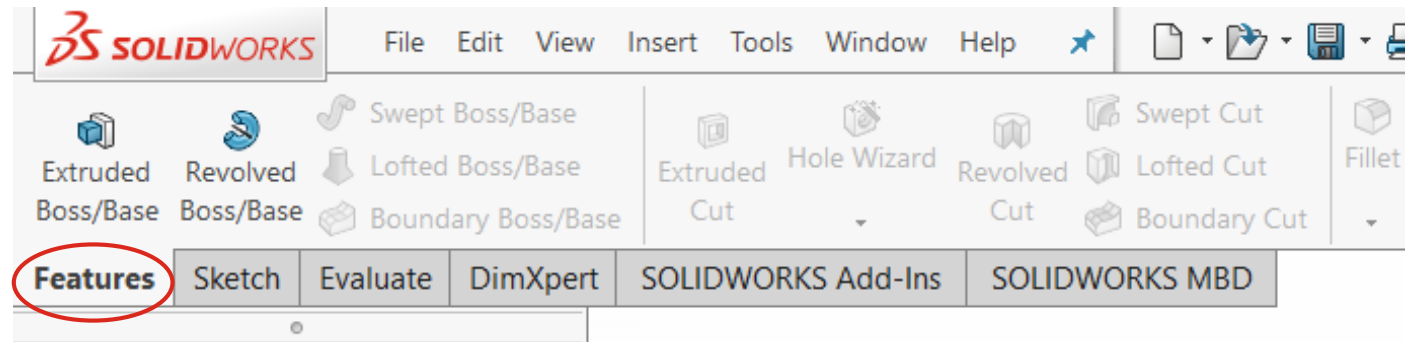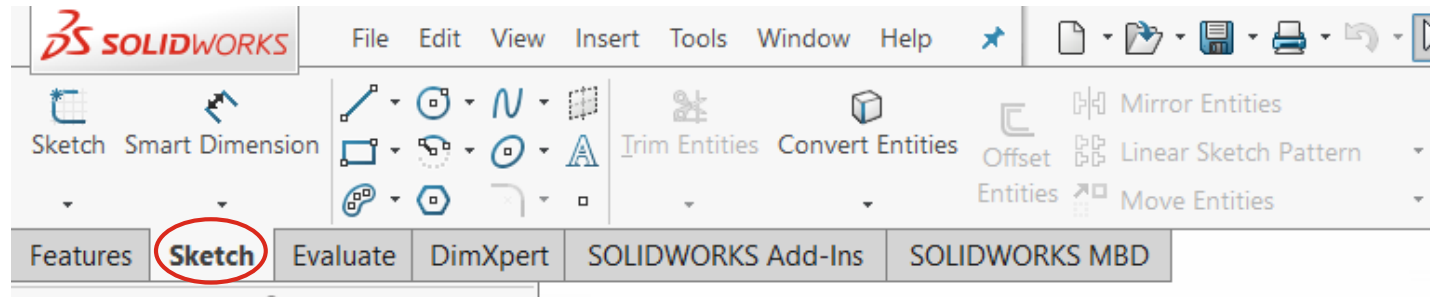# Setting up Units and Dimension Standard (cont'd)
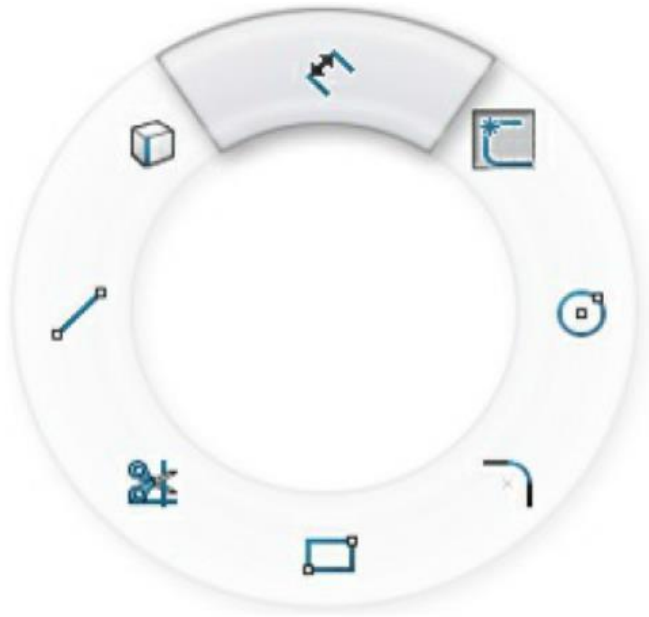
# Snap & Grid Setting
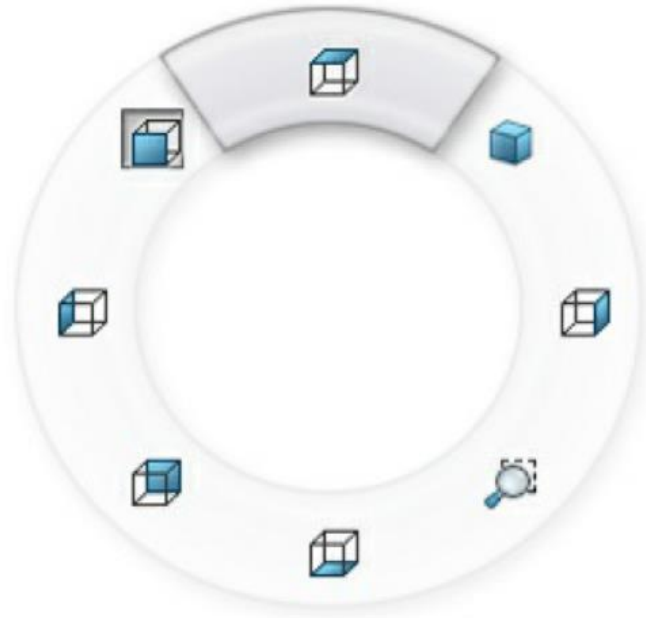
# User Tabs/Pans

# Mouse Gestures

➤ Press the Right Mouse Button
➤ Drag the Cursor in any Direction
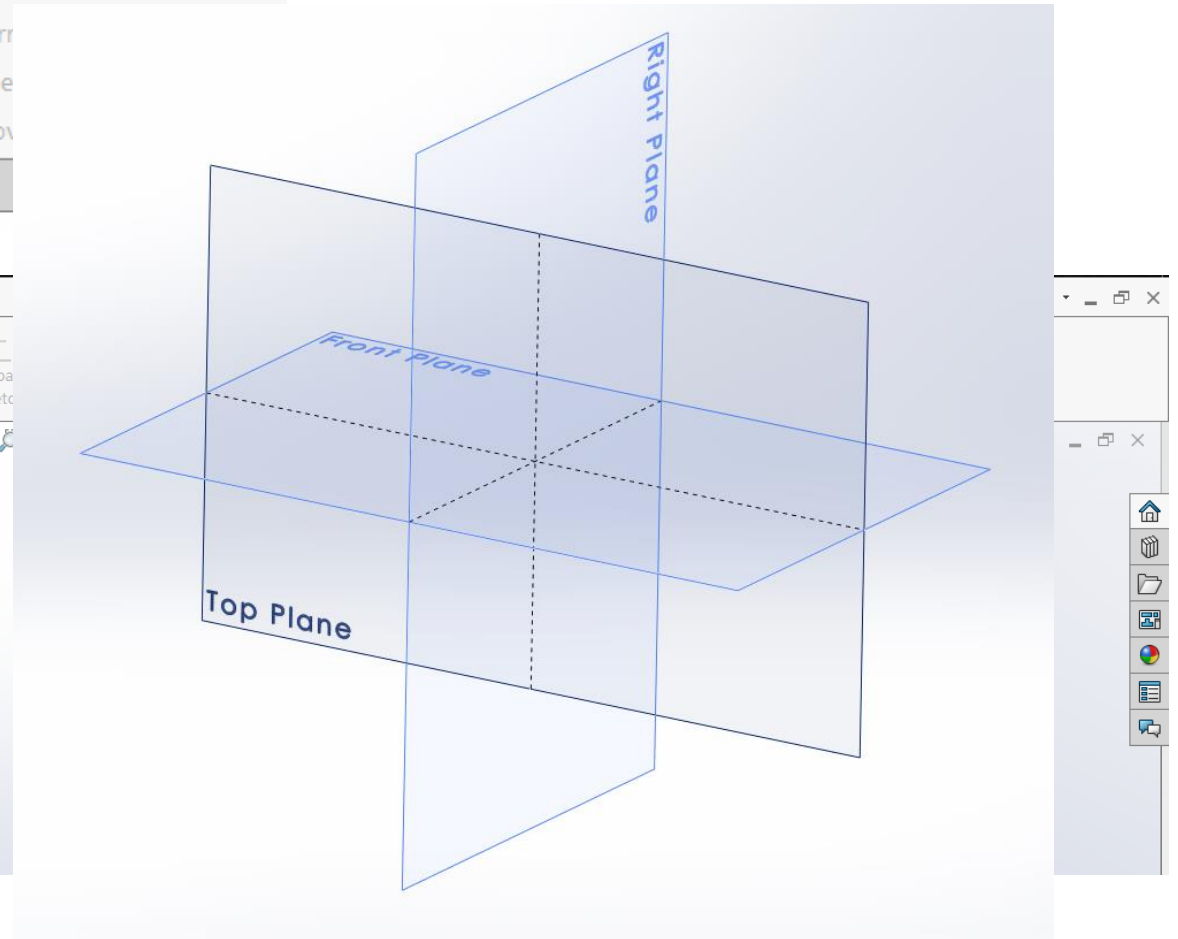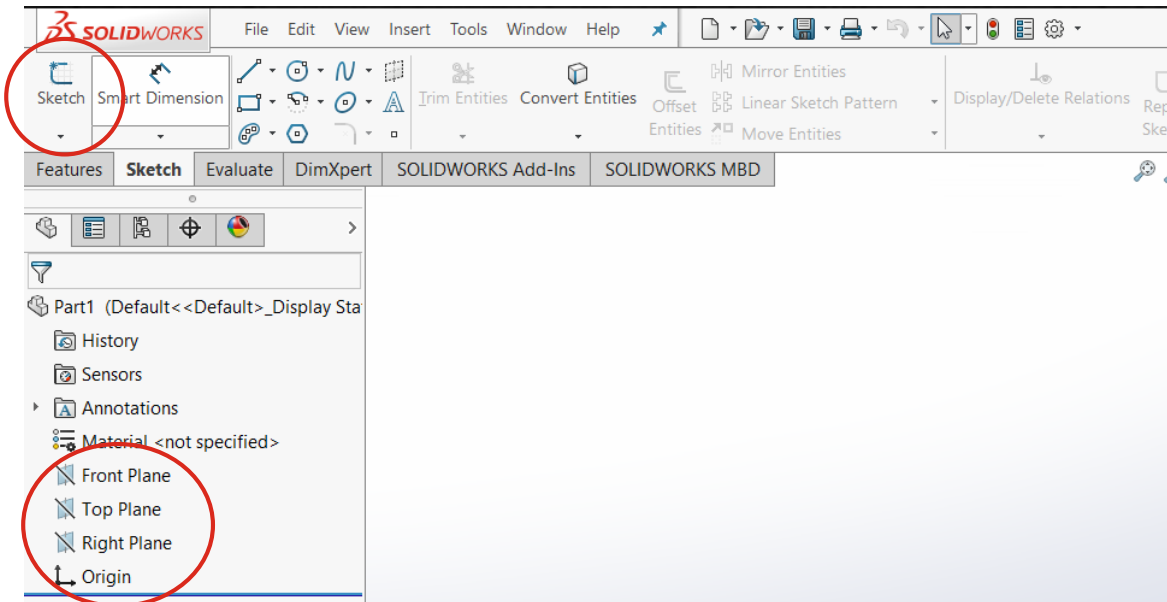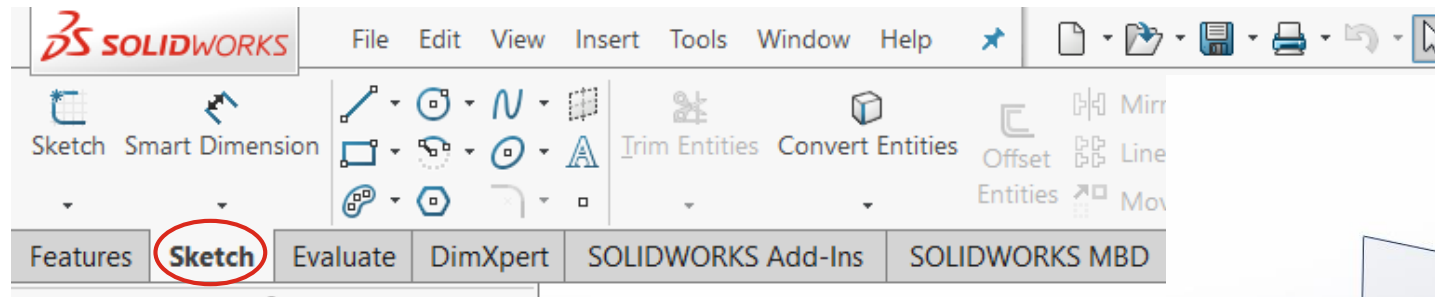


Sketching



Part



Drawing

# Sketching

# Tutorial 2 (Will be Graded)

- In this tutorial, you will draw the sketch of the solid model shown in Figure. The sketch of the model is shown in Figure.
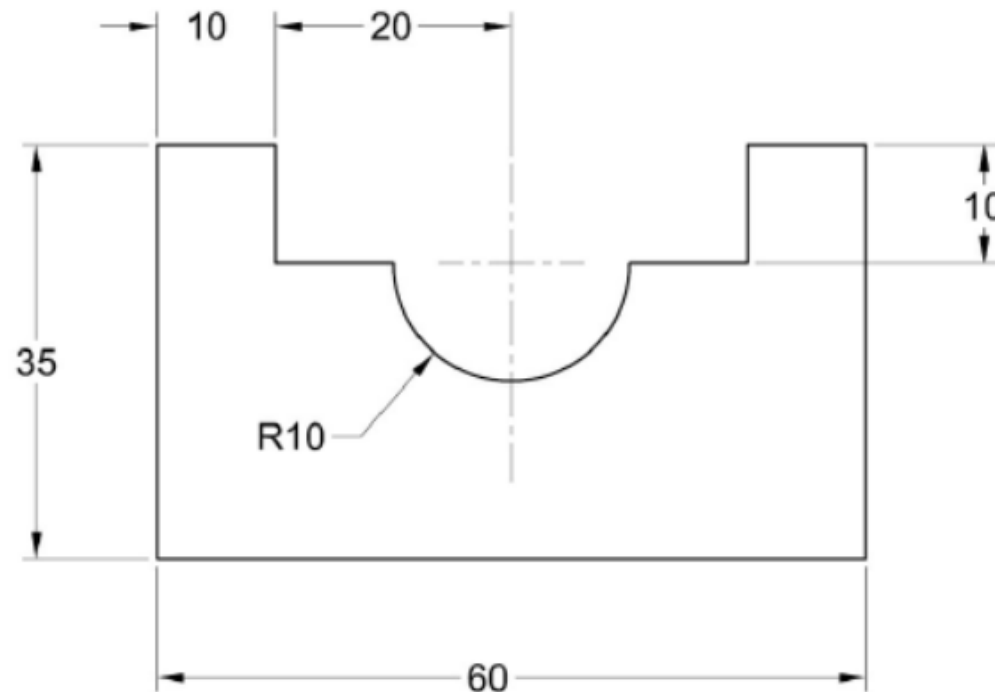
# Submission Rules

- Homework's are due **at the** <mark>**Sunday 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.](#))

# Submission Rules

- Any submission after deadline **will not be accepted** and thus <u>will receive</u> a **grade of zero**.

- Grading Criteria for Late Submission:
  - Submission on Time         : 100%
  - Submission a week late      : 75%
  - Submission two week late    : 0%

# Submission Rules

- Naming Convention for your submission files:
  - *(section)_(your myUTSA id)_(Number/Name of the HomeWork)*

- For Example if your in section, "*L1*", your myUTSA id is, "*abc123*" and You are submitting, "*HW1*". Then your submission file name should be, "*L1_abc123_HW1*"

# Emailing Regarding Problems

- Email either
  - through **Blackboard**
  - or at  shafnehal@gmail.com

- Email between: *8:00 A.M. to 5:00 P.M.*

- Subject line should follow the below mentioned convention:
  - *[ME 1403: Engineering Practice & Graphics Spring - 2018]_(Your myUTSA ID)_(Summery of your Issue)*

- For Example if your myUTSA id is "**abc123**" and You are emailing regarding problem in "**HW1**". Then your email subject line should be:

  "**[ME 1403: Engineering Practice & Graphics Spring - 2018]_*abc123*_*HW1 problem***"

- Any email that doesn't follow the above convention will not be responded.