

ME 1403 Engineering Practice & Graphics

# Lecture 9

Chapter-6

Instructor:

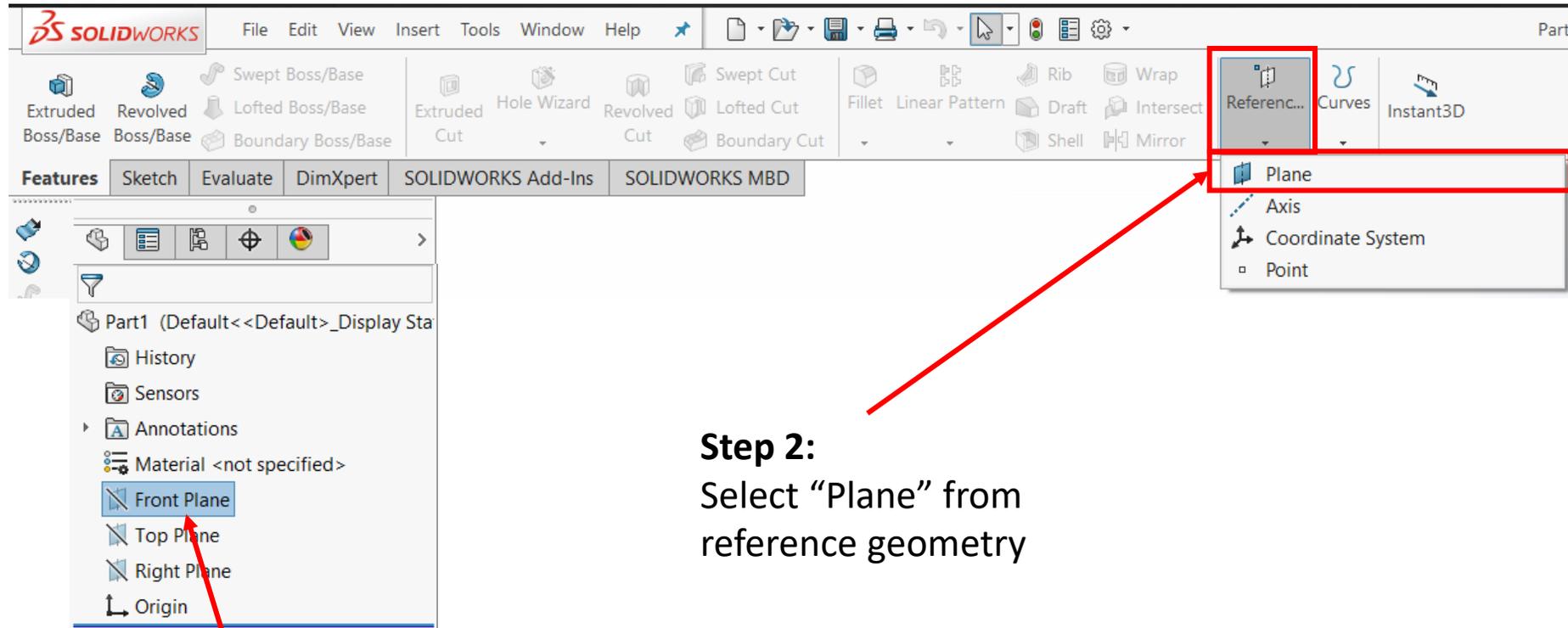
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# Outline

- Tools / Methods
  - Reference Geometry
    - Reference Plane
    - Reference Axis
    - Reference Point
  - Extrude Cut
  - Revolve Cut
- Practice
  - Tutorial 2
  - Tutorial 3

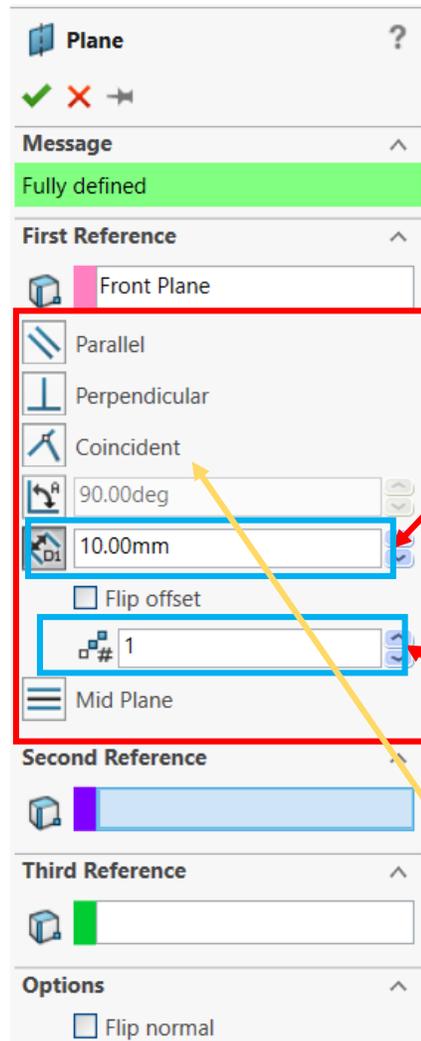
# Reference Geometry (Plane)



**Step 1:**  
Select an existing  
Plane for Reference

**Step 2:**  
Select "Plane"  
from reference  
geometry

# Reference Geometry (Distance Plane)

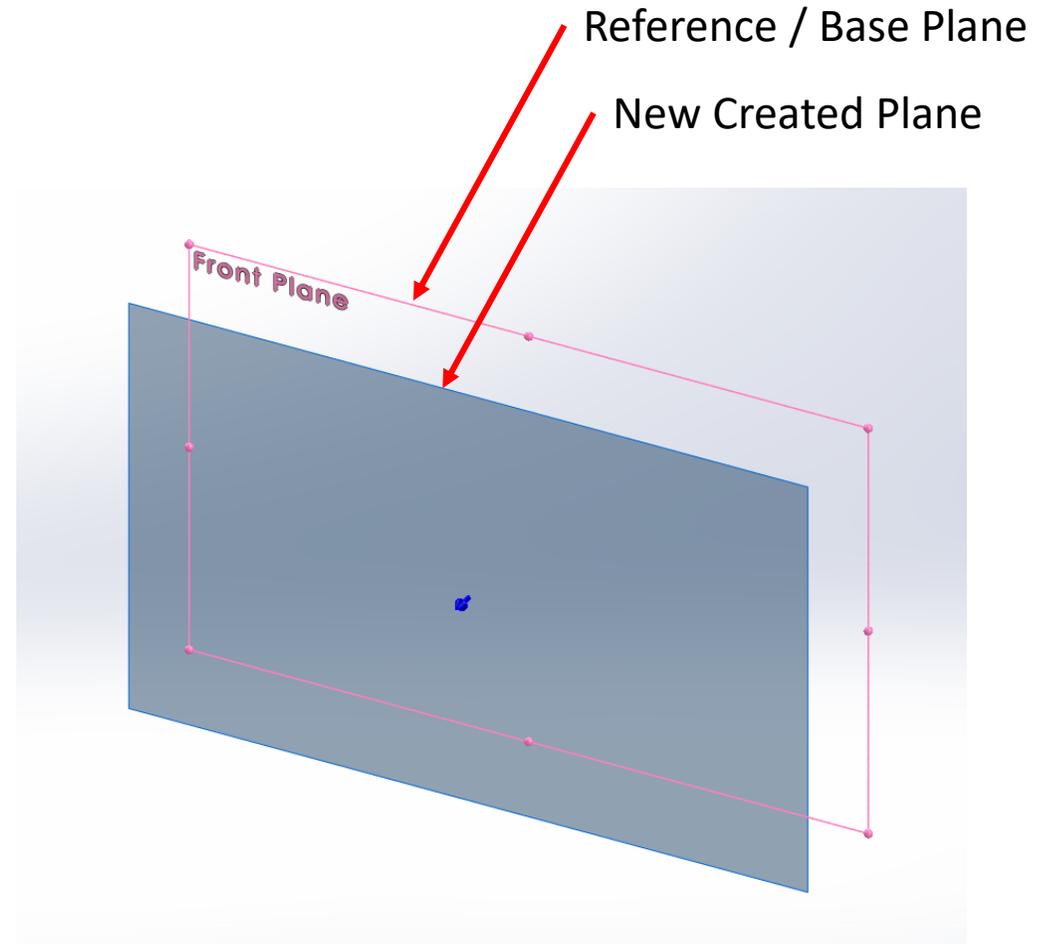


**Step 3:**  
Select the type of relation necessary for your set-up.

**Step 4:**  
Adjust the distance where you want to create the new plane.

**Step 5:**  
Number of copies of that plane you want.

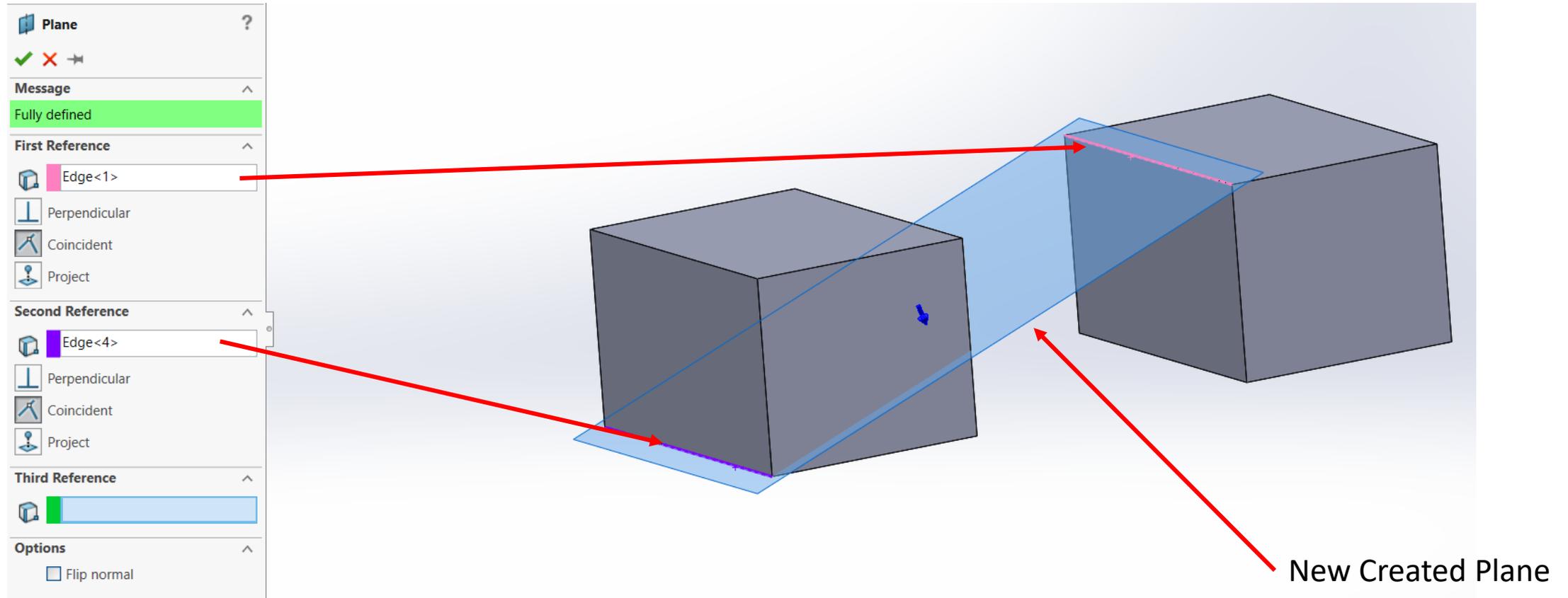
**Note:** If you select *Coincident* then the new created plane will be coincident to the original one



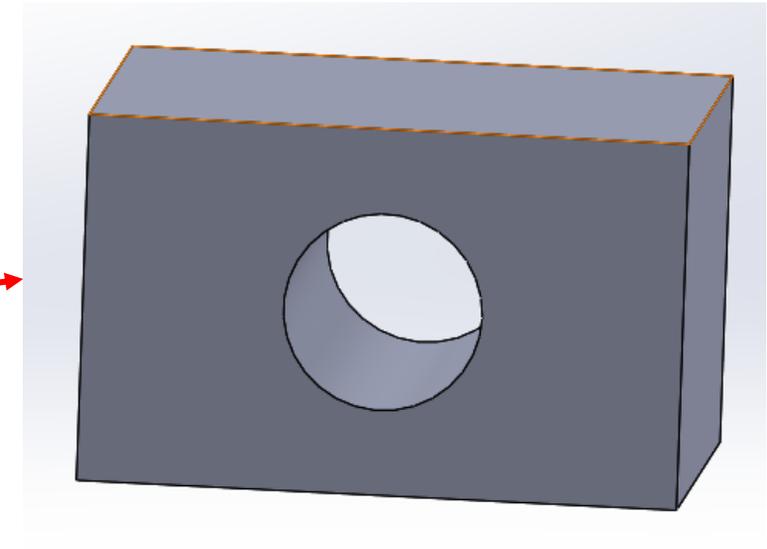
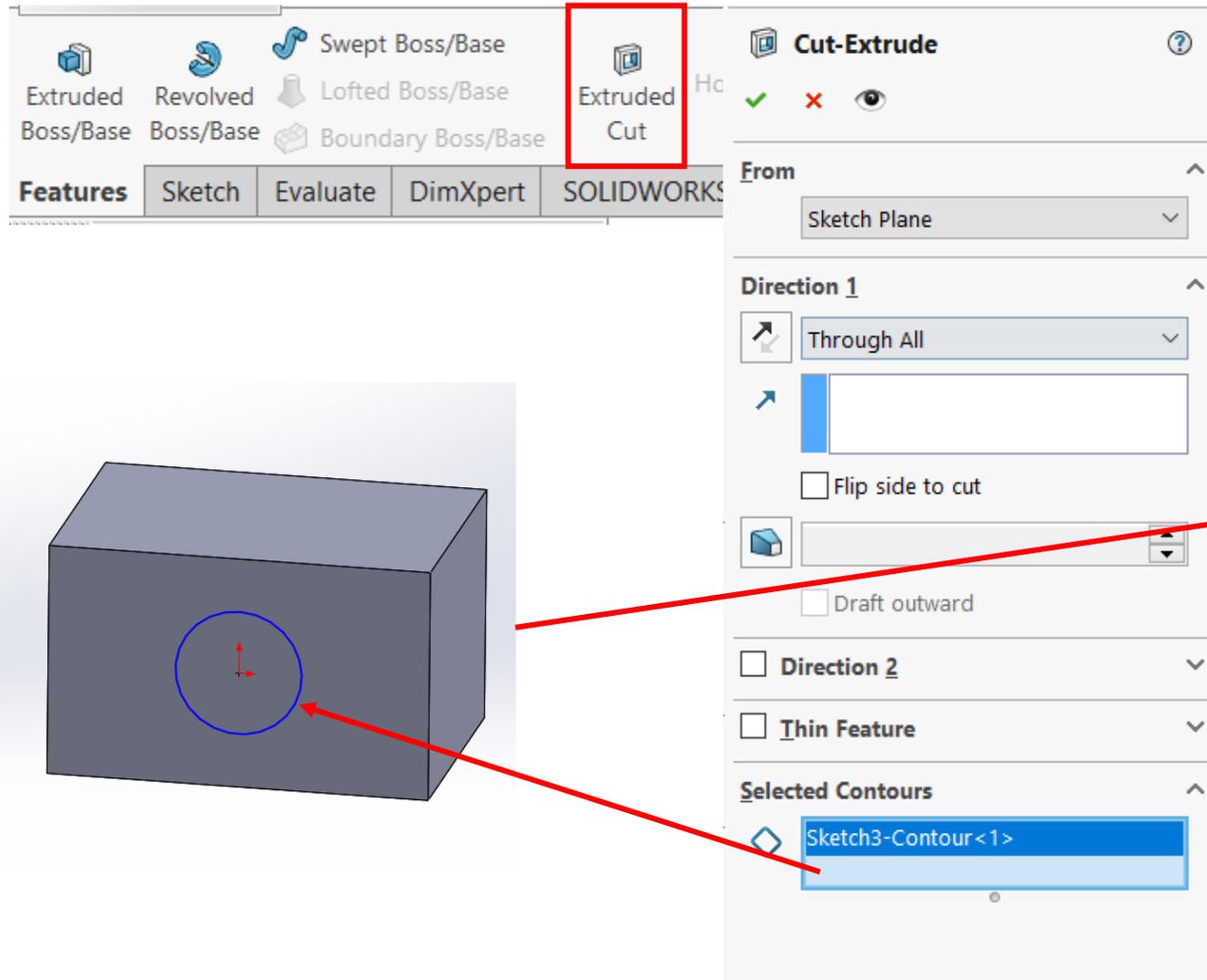
**Other Options:**

Other options will be explored during the class!!

# Reference Geometry (Second/Third Reference)

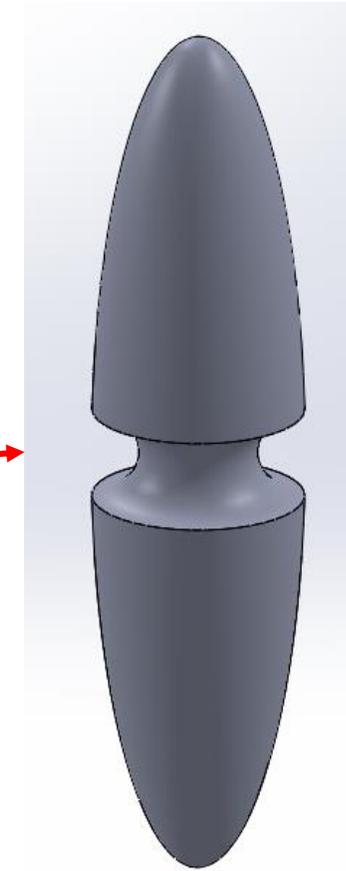
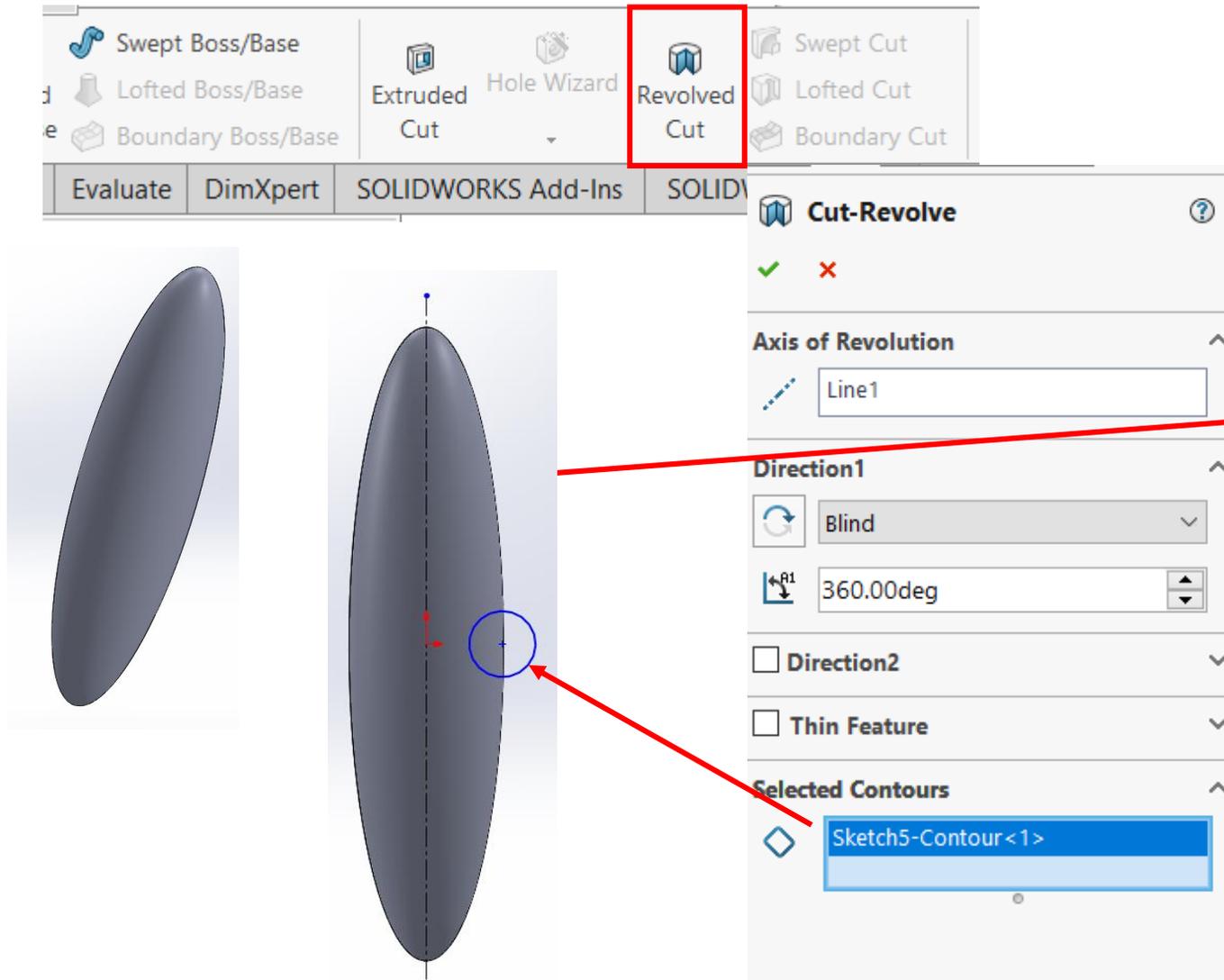


# Extrude Cut



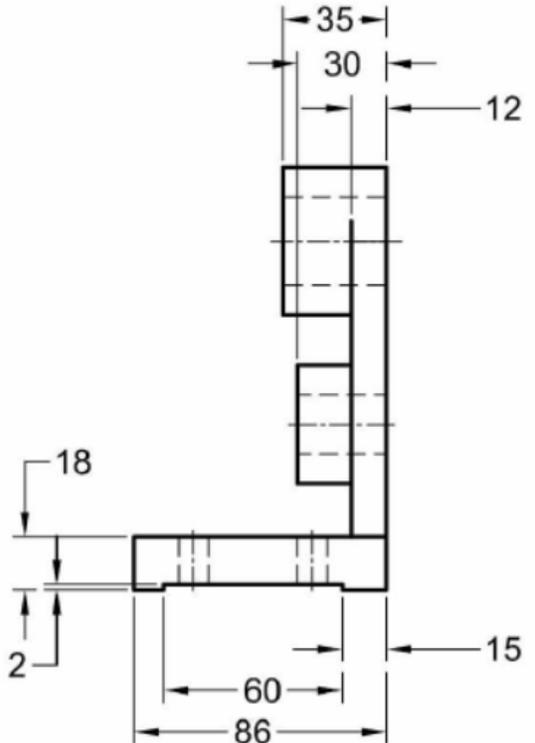
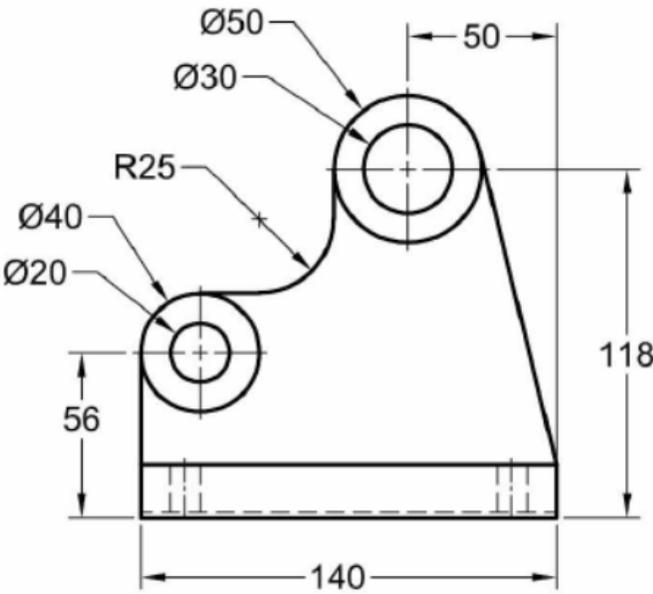
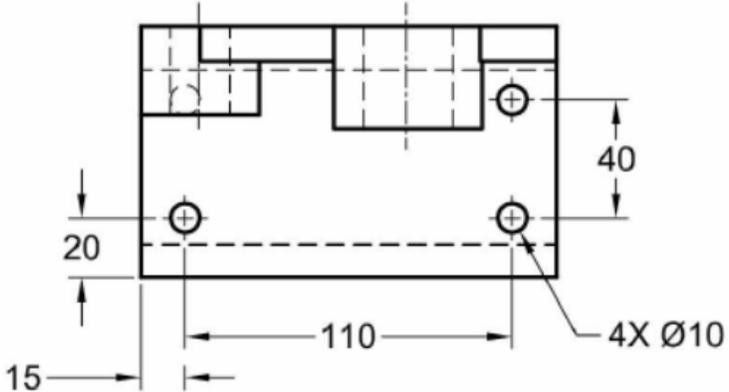
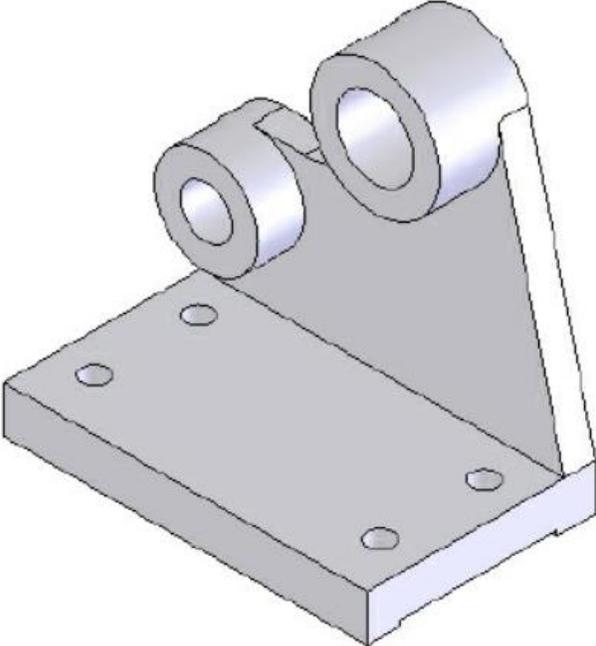
**The Options have the same property as Extrude Boss, but in this case it will be used to cut away un-necessary or extended parts.**

# Revolve Cut

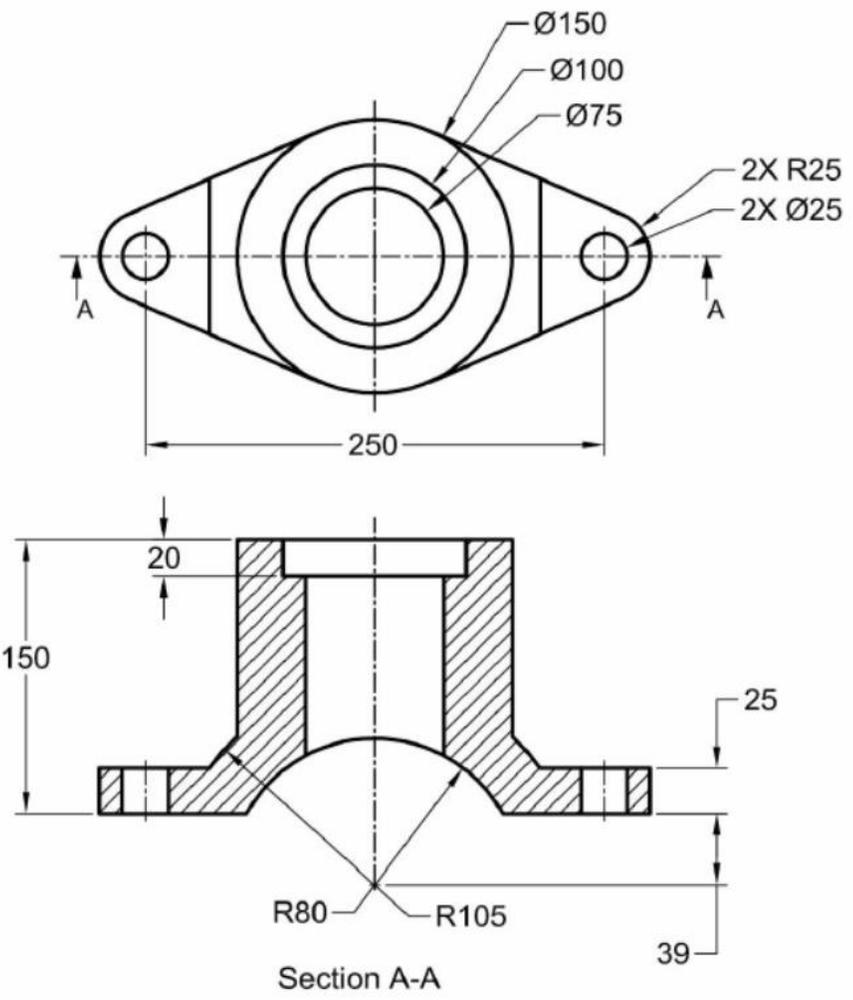
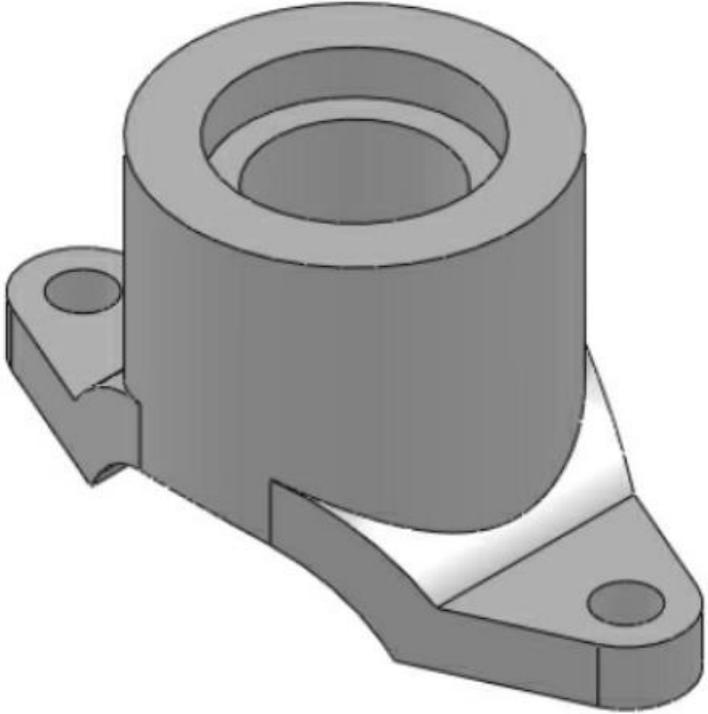


**The Options have the same property as revolve Boss, but in this case it will be used to cut away un-necessary or extended parts.**

# Tutorial 2 (Will be Graded)



# Tutorial 3 (Will be Graded)



# 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.](#))