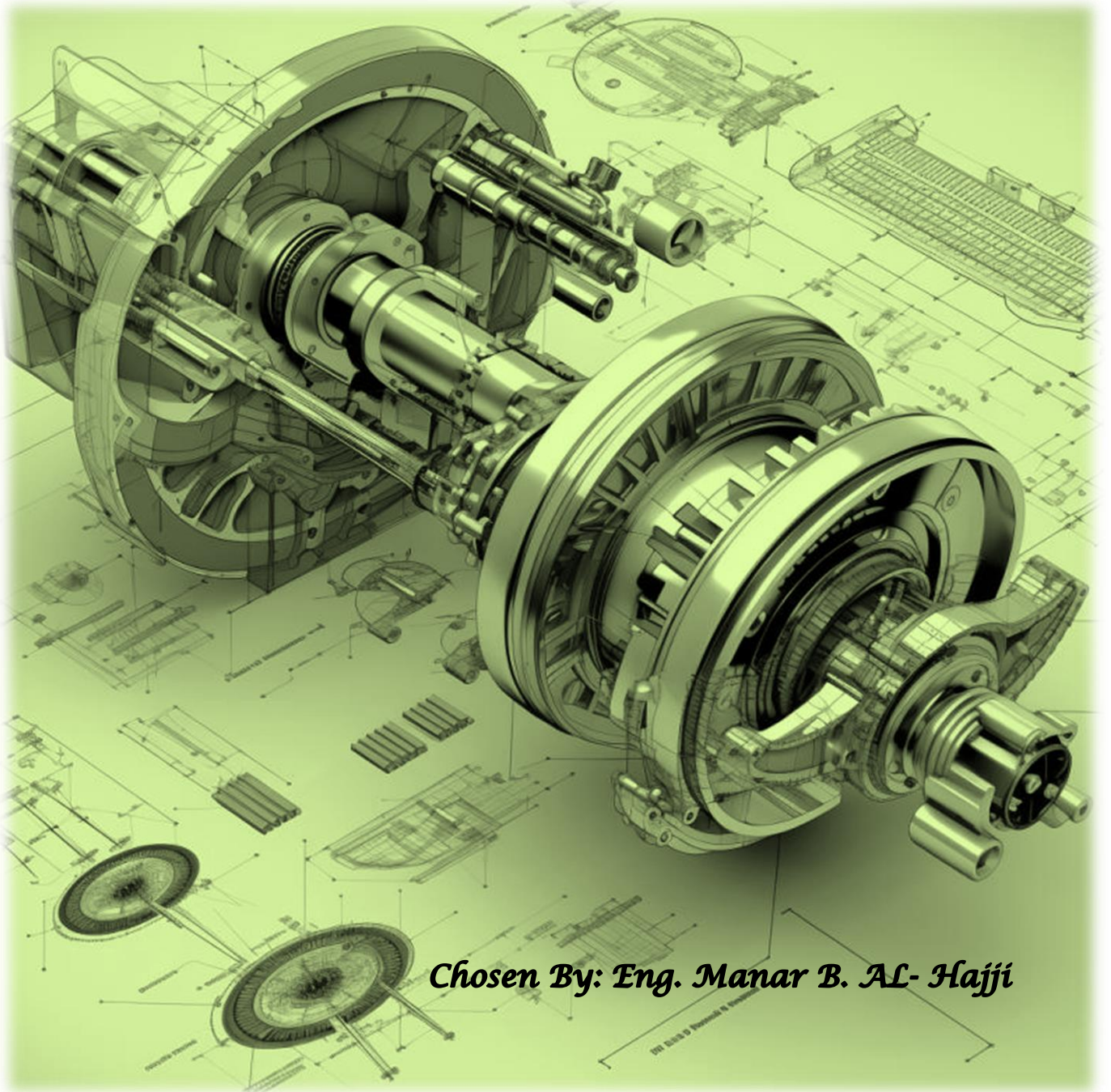




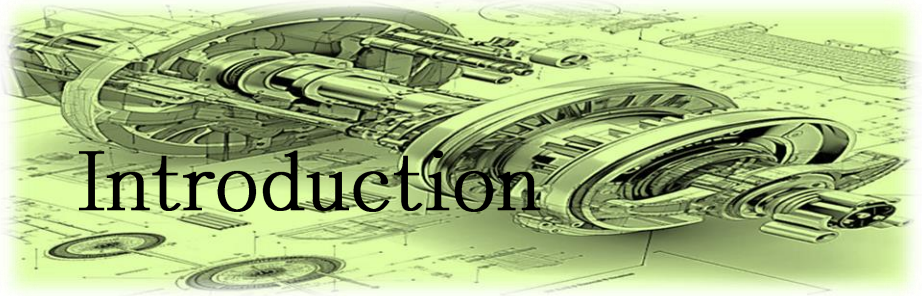
*School of Engineering*

*Mechanical Engineering Department*

*Machine Drawing (0904233)*

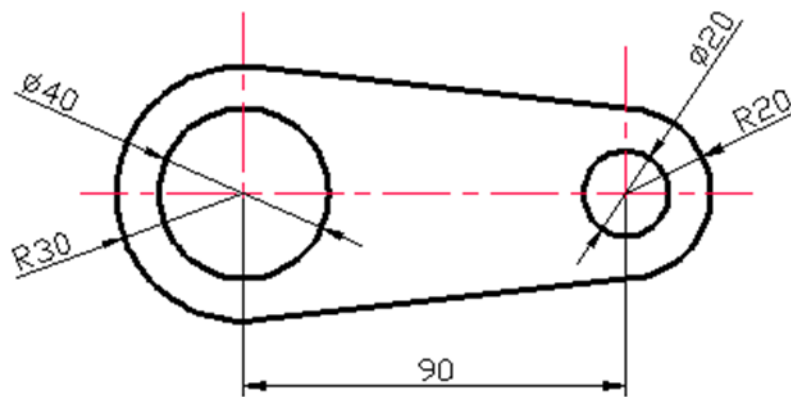


***Chosen By: Eng. Manar B. AL- Hajji***

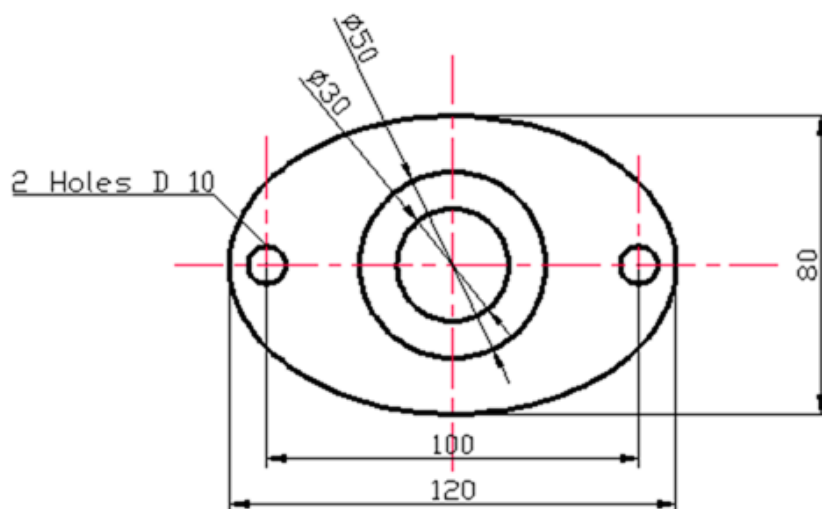


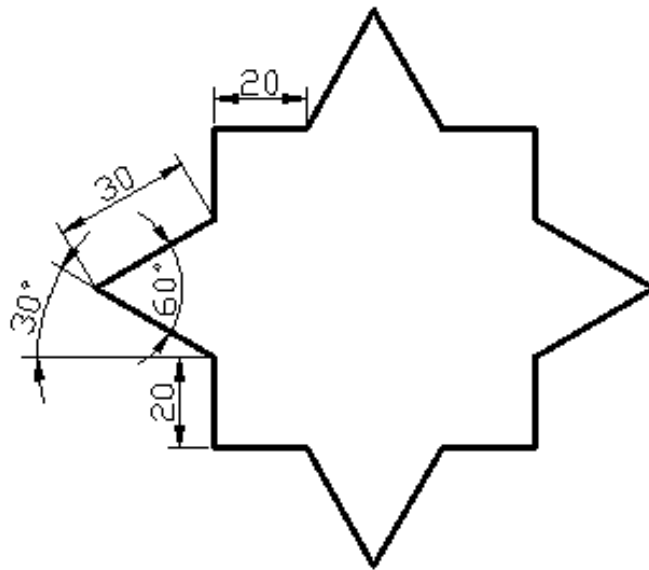
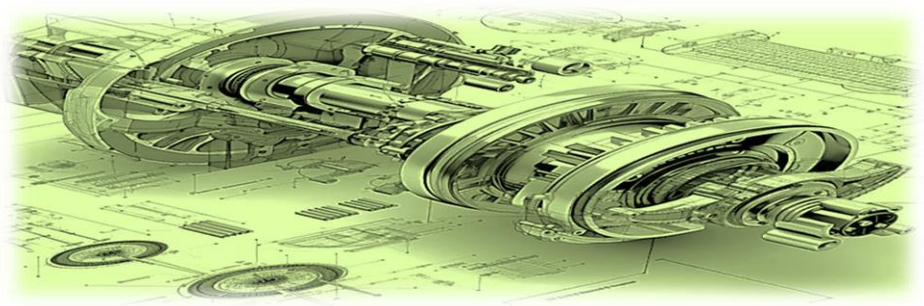
## Goals:

- Introduction to Creo parametric software.
- Starting with creating a 2D sketch.
- Using constraints, datum.

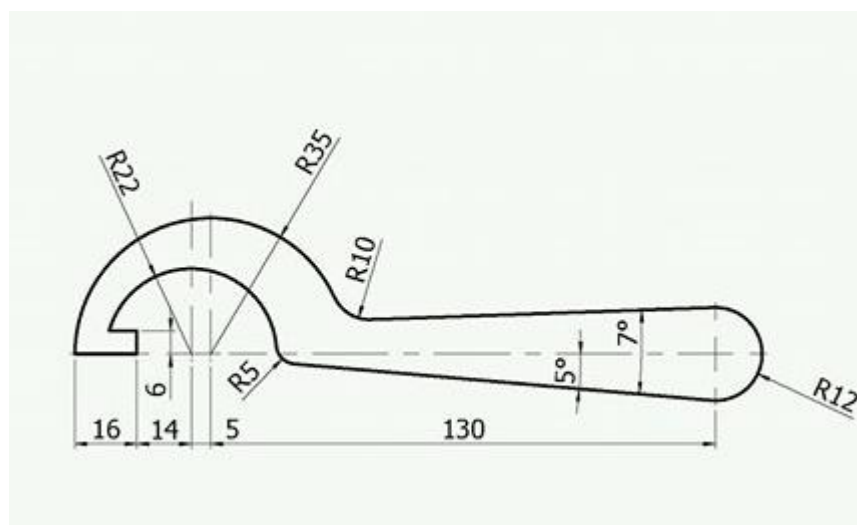


**Exercise (1.1)**

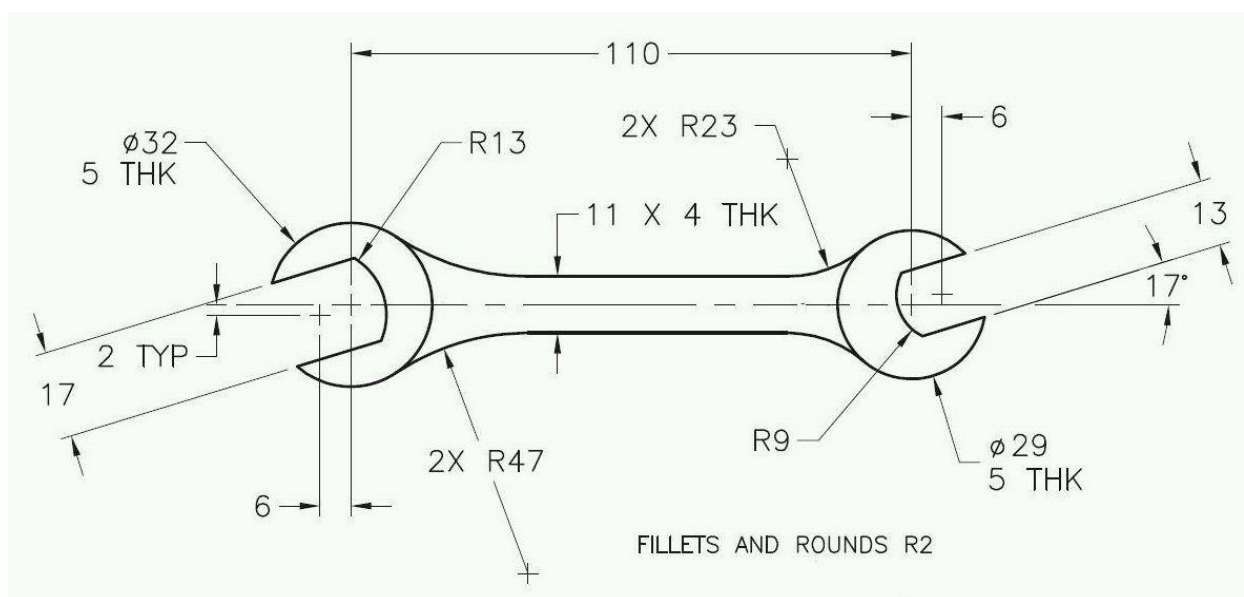
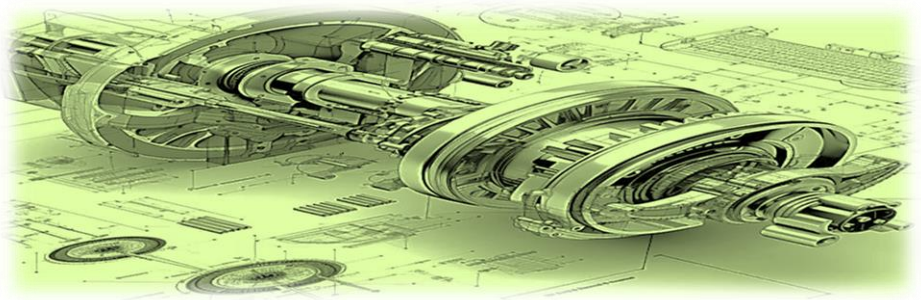




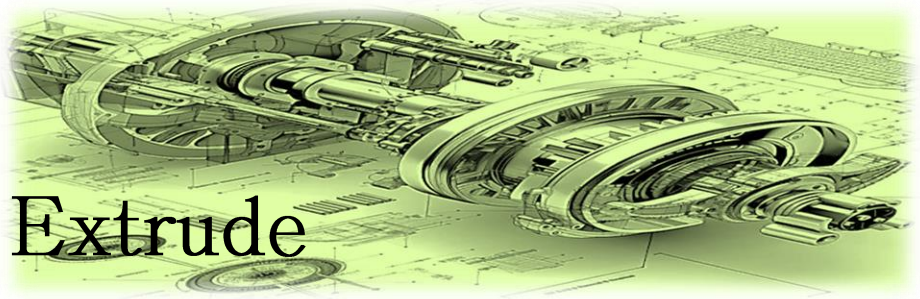
**Exercise (1.3)**







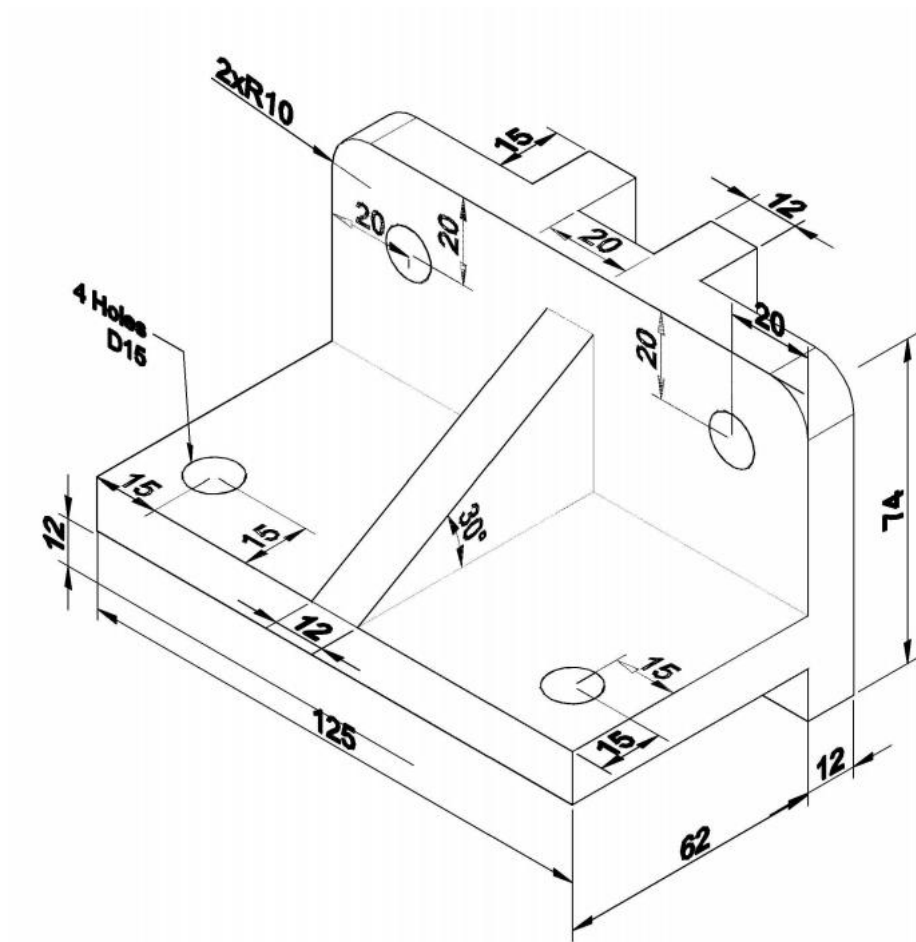
### Exercise (1.5)



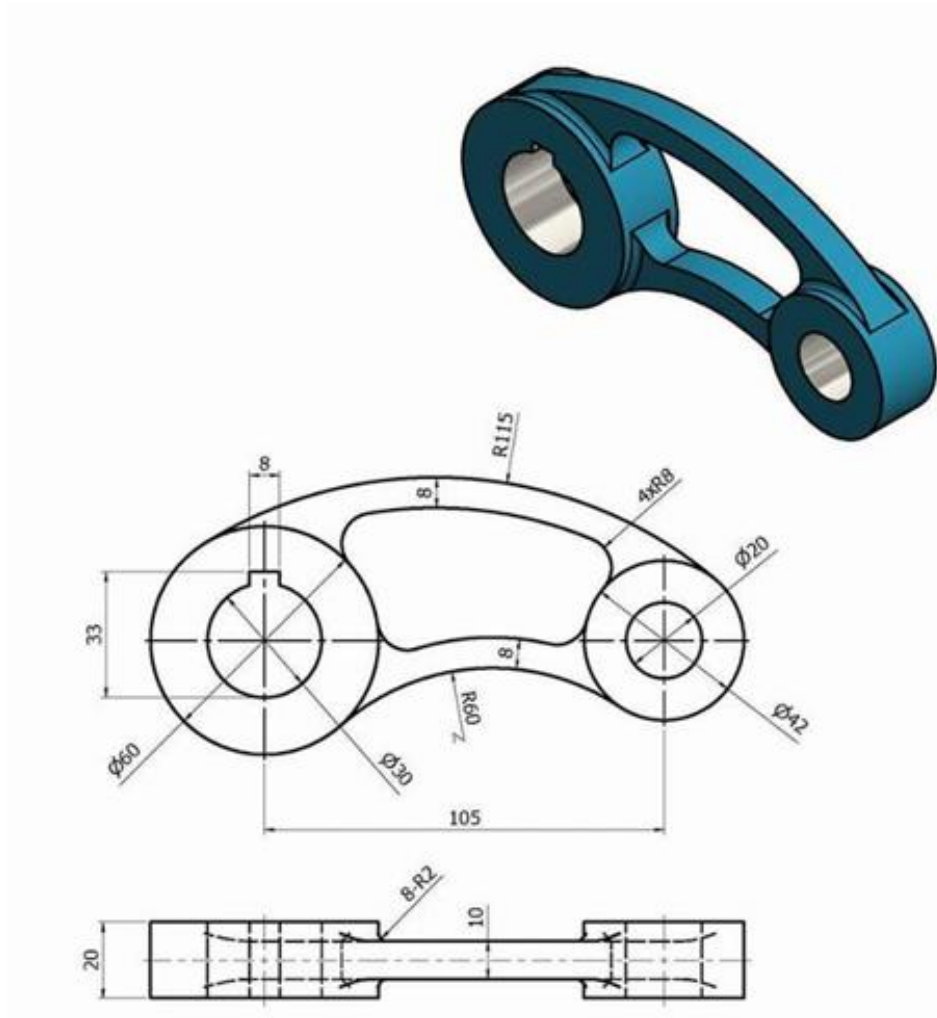
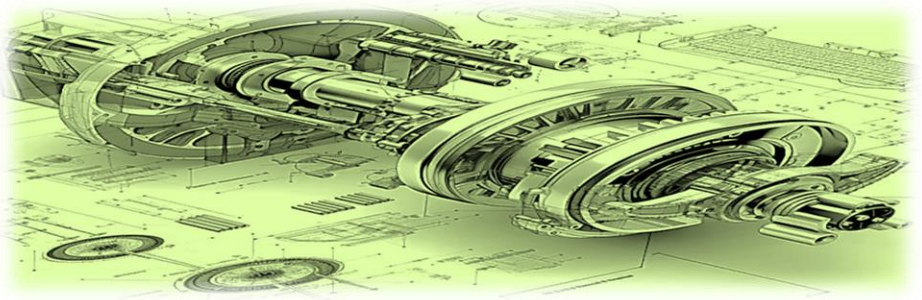
# Extrude

## Goals:

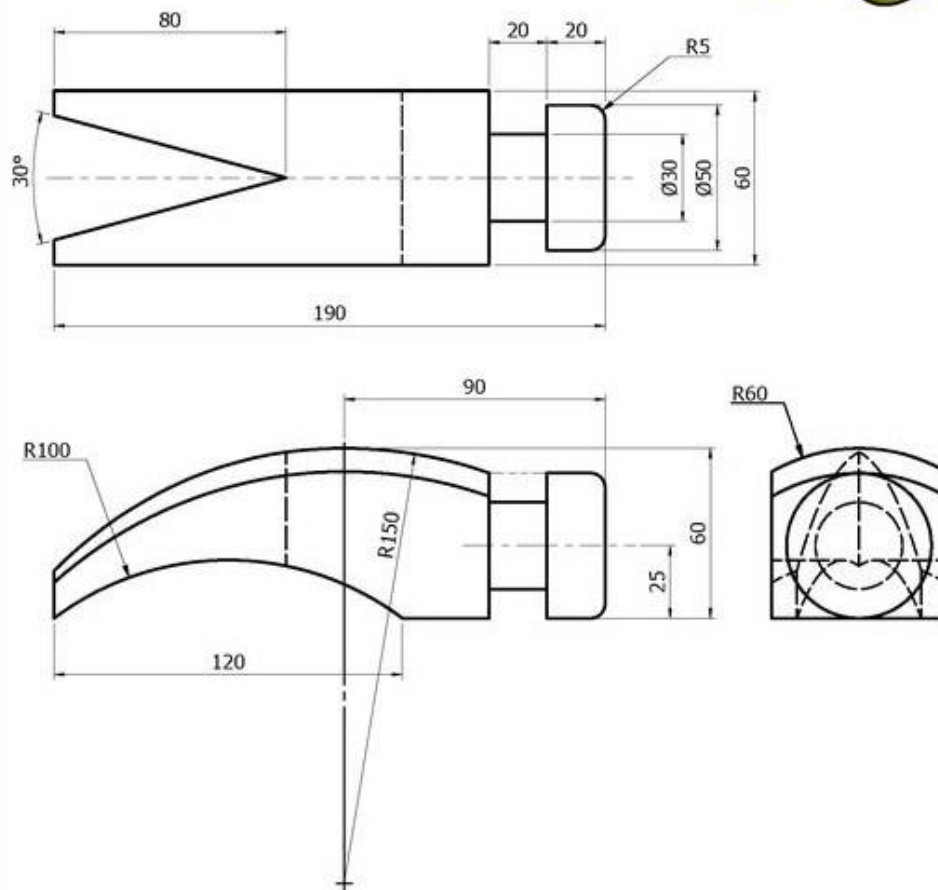
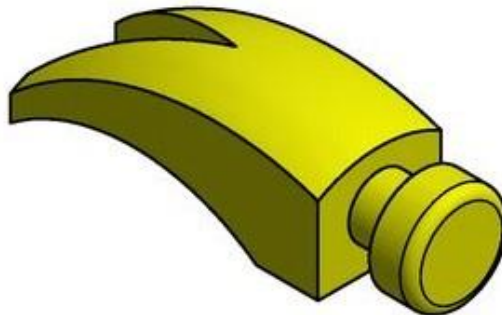
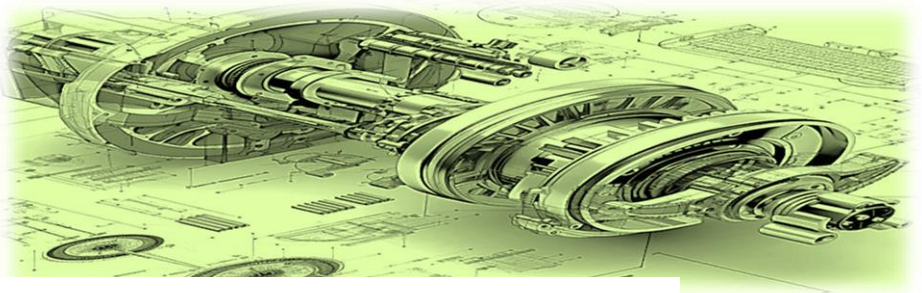
- 3D modeling using Extrude.
- Rounds and chamfer.
- Define Datum Plane.



Exercise (2.1)

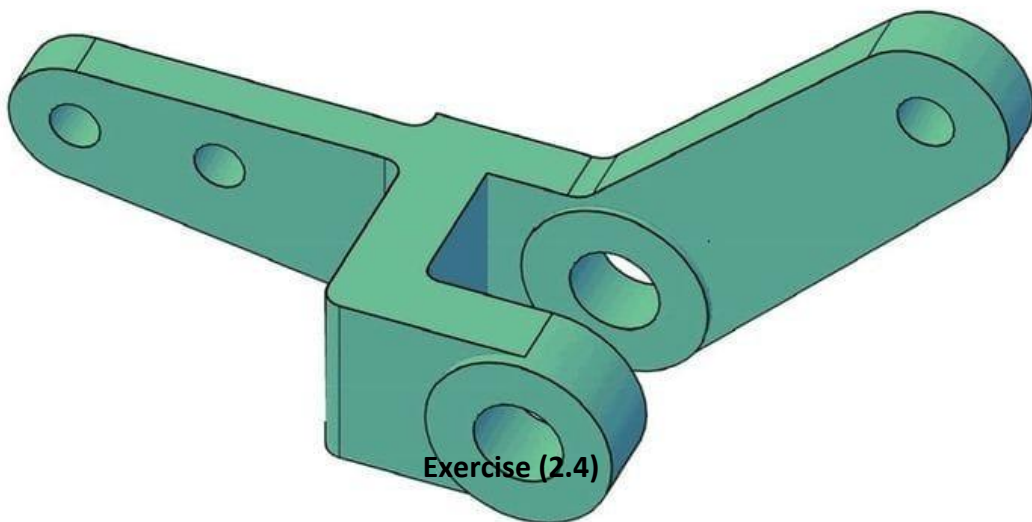
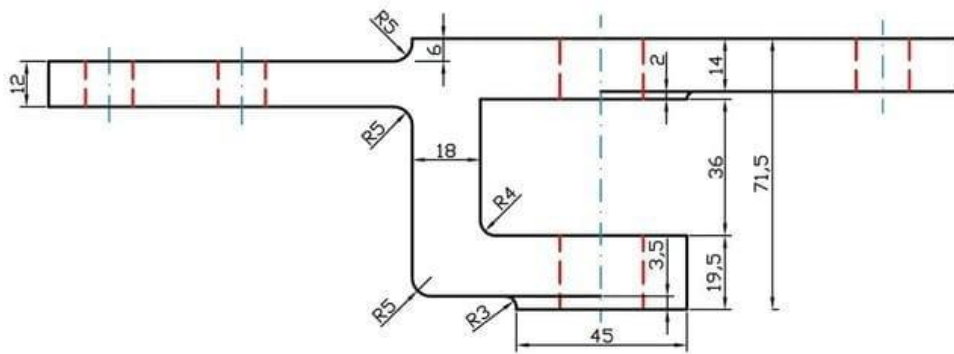
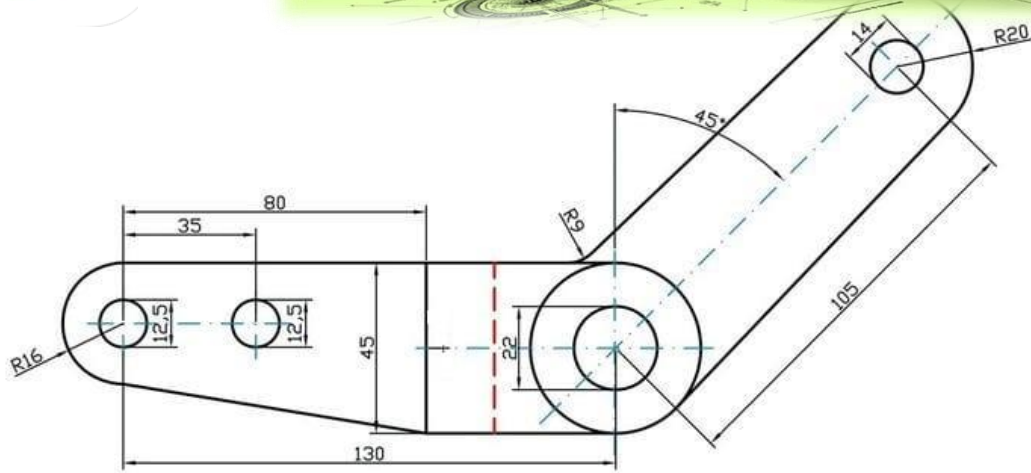
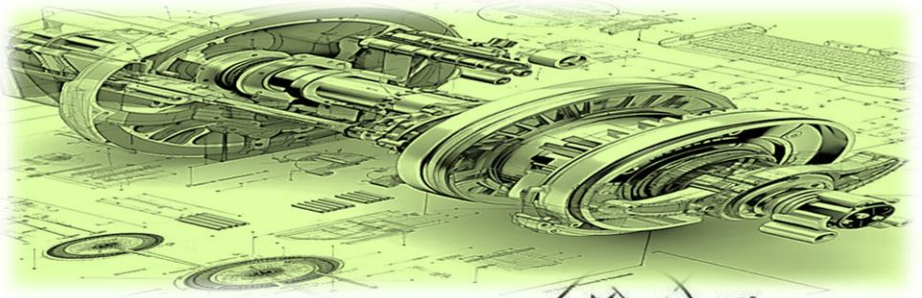


### Exercise (2.2)



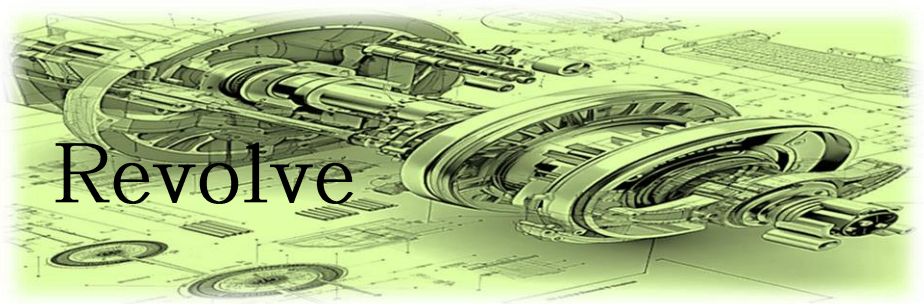
**Exercise (2.3)**





Exercise (2.4)

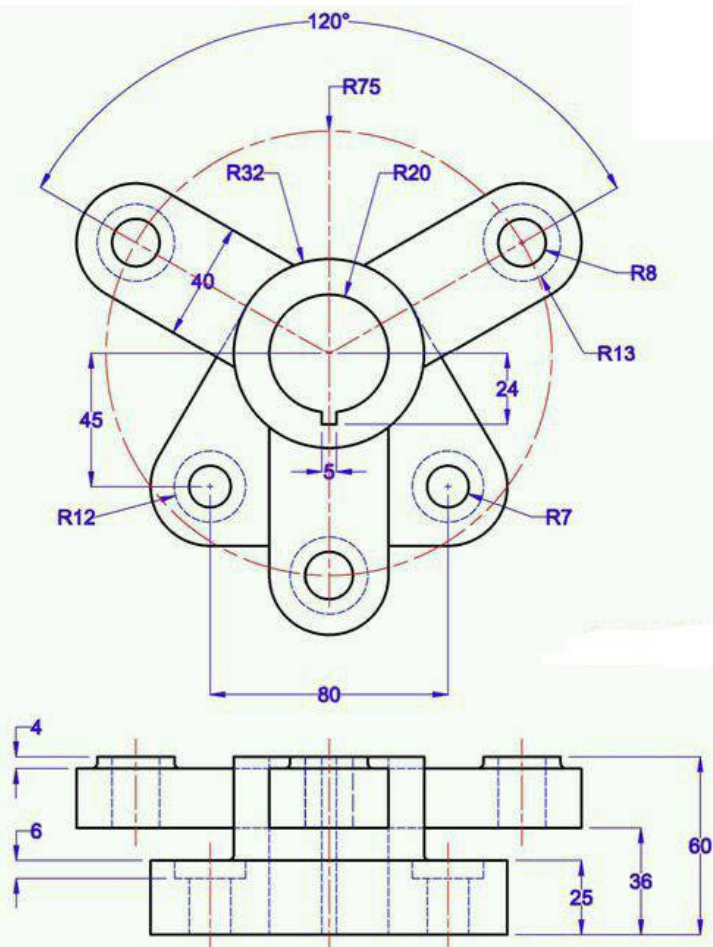




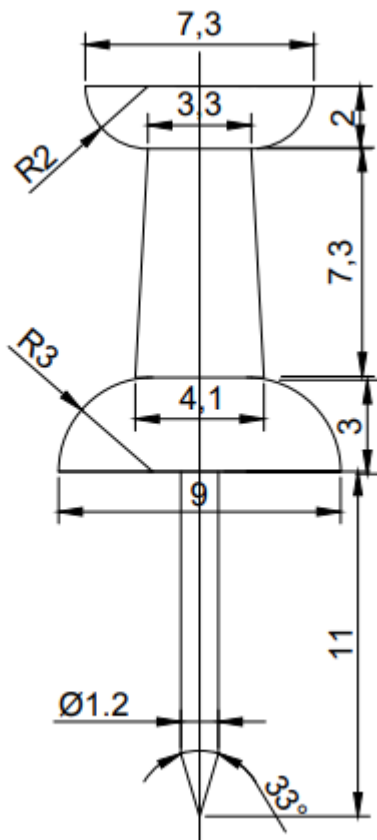
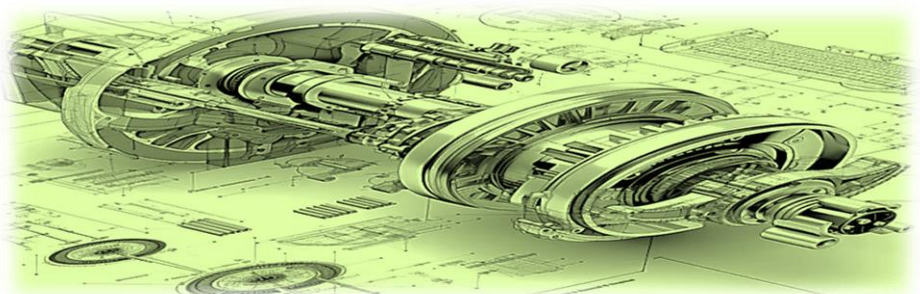
# Revolve

## Goals:

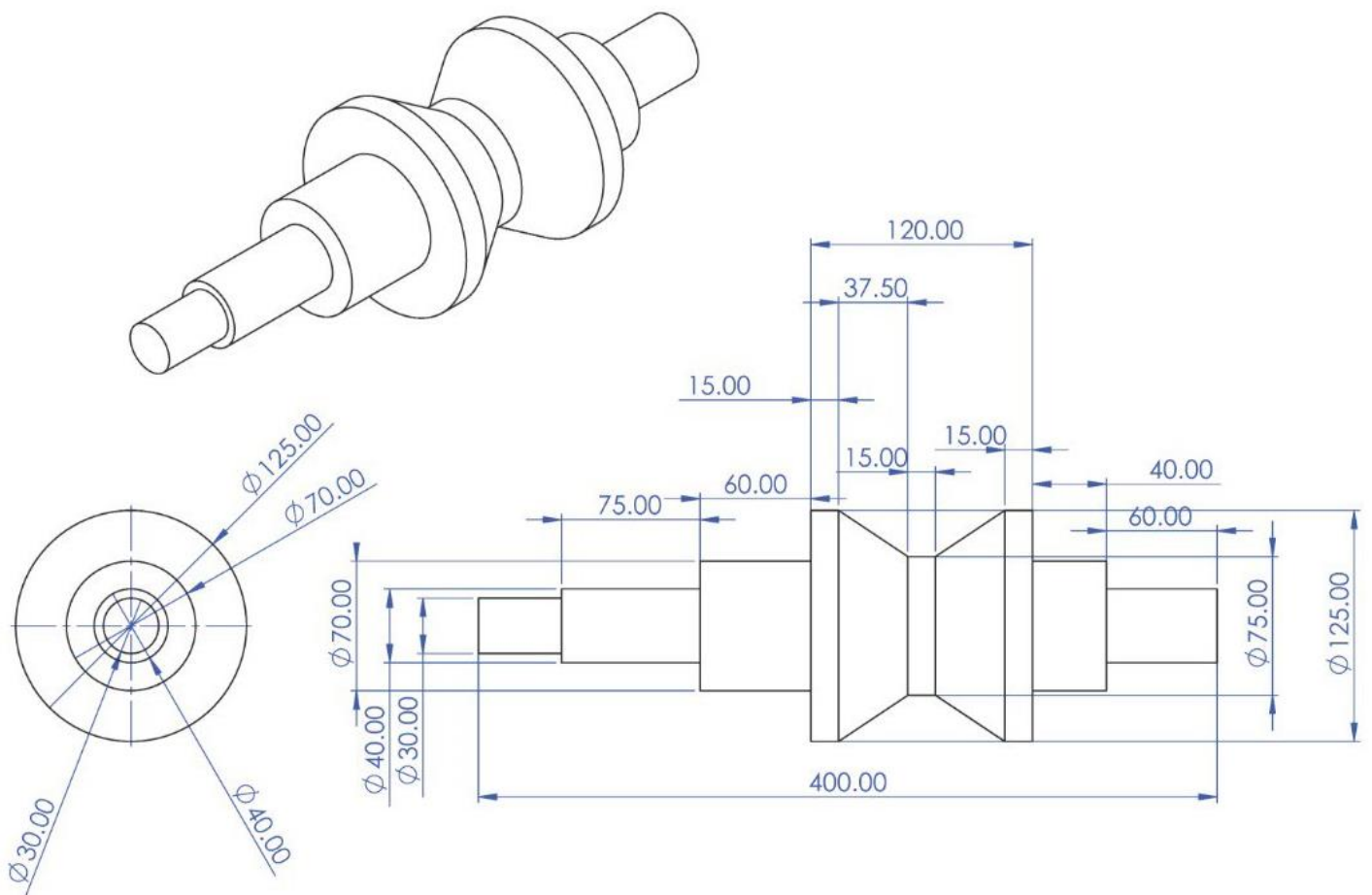
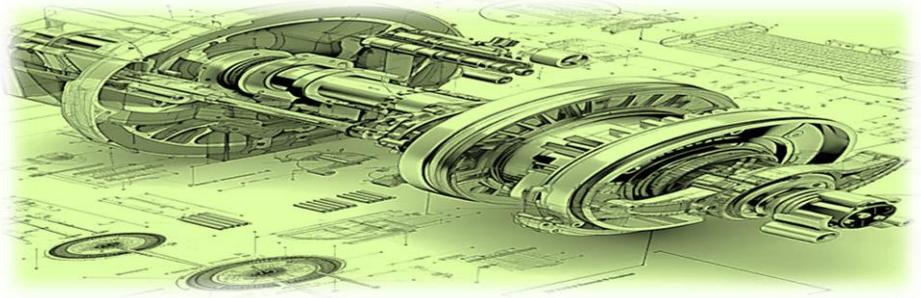
- 3D modeling using revolve command.
- Using Patterns.



## Exercise (3.1)

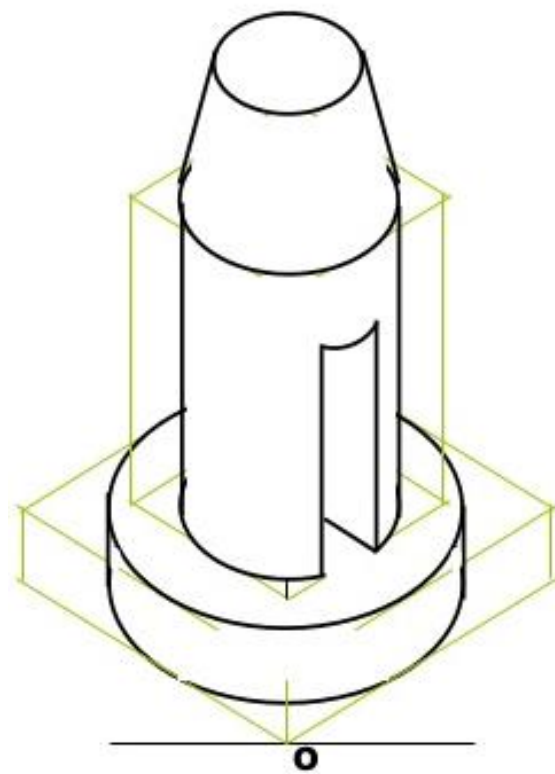
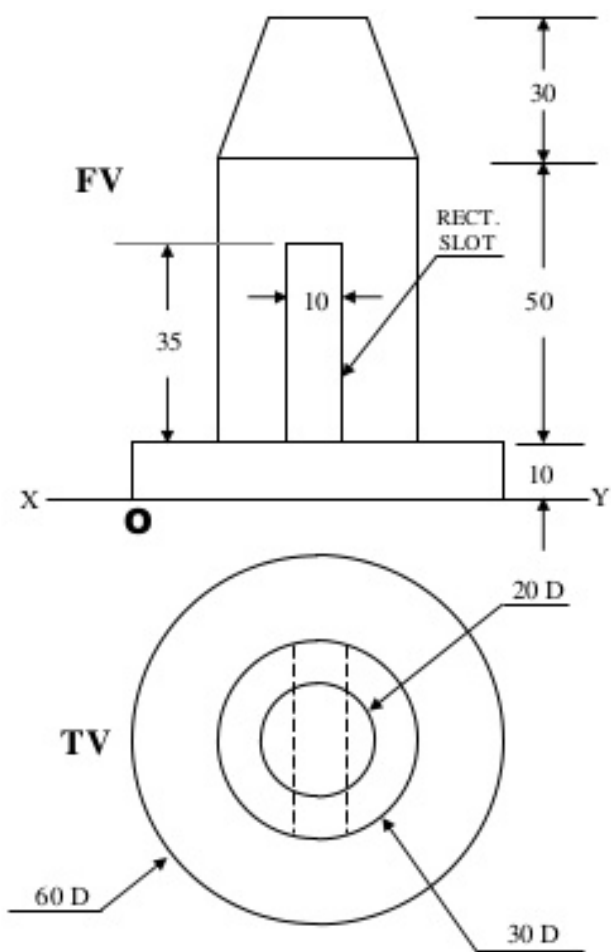
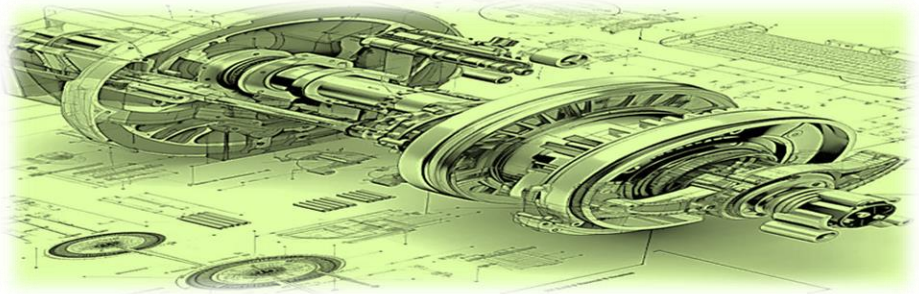


### Exercise (3.2)

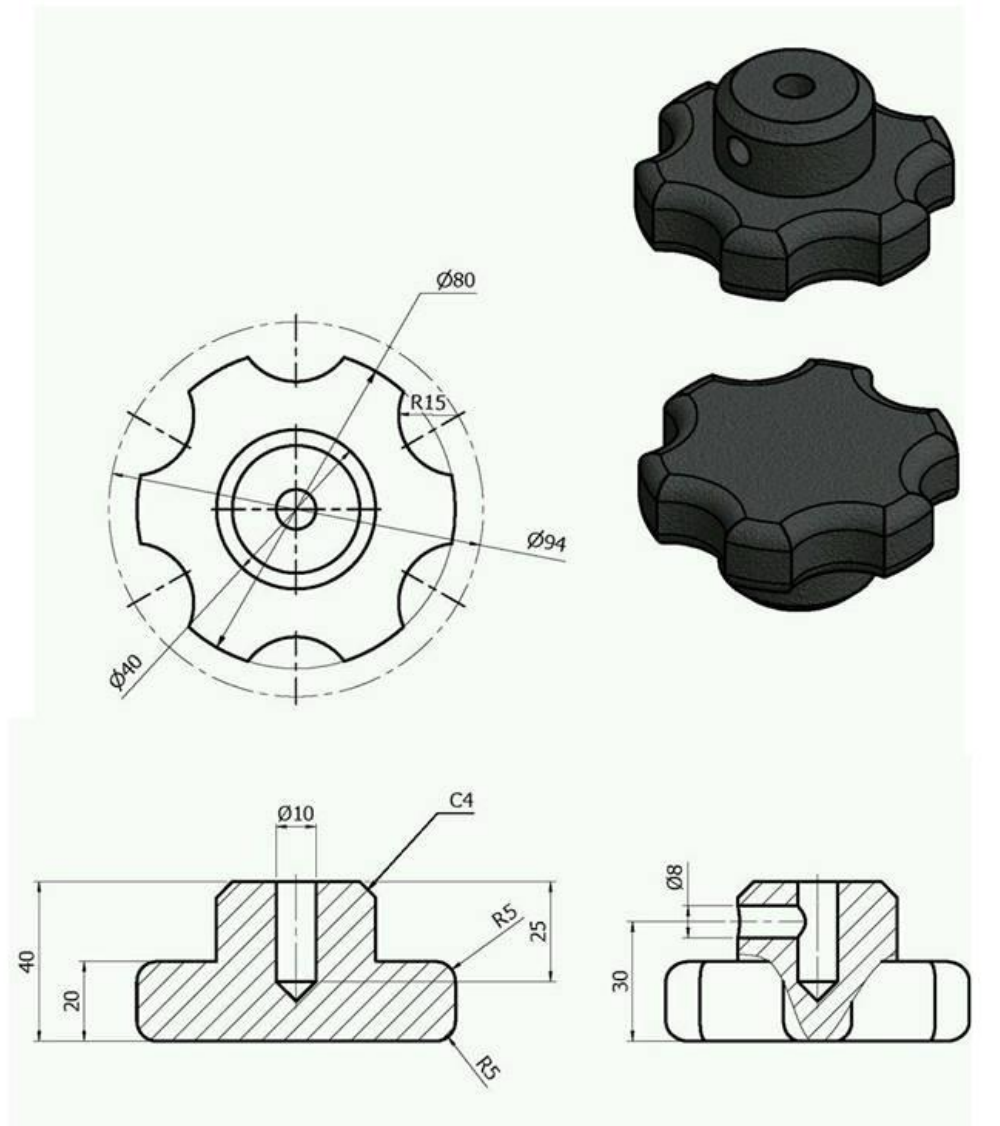
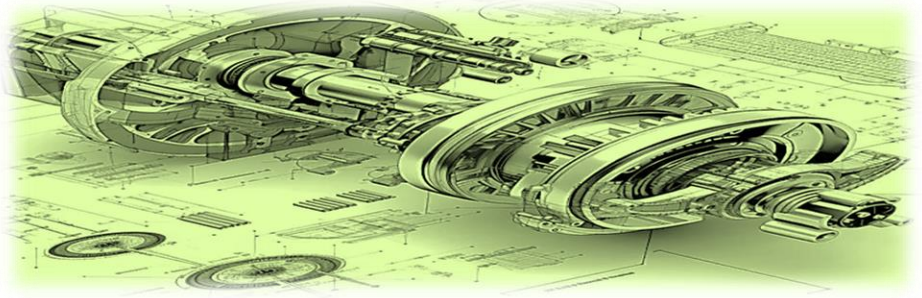


### Exercise (3.3)

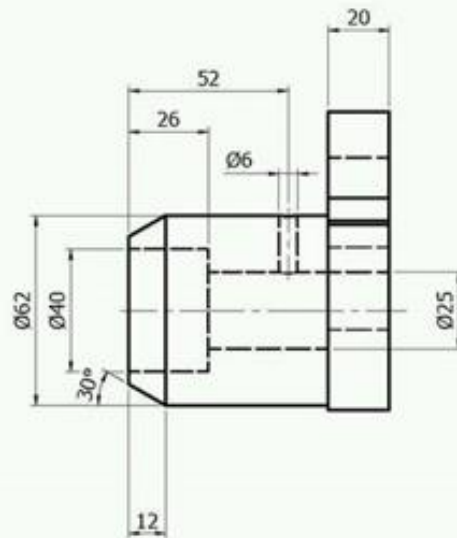
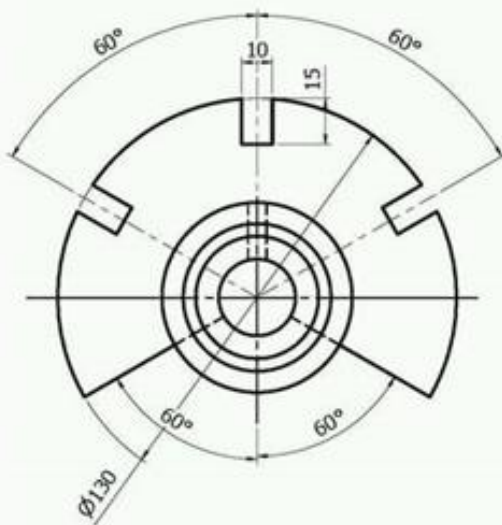
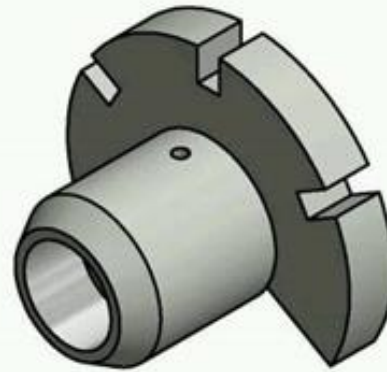
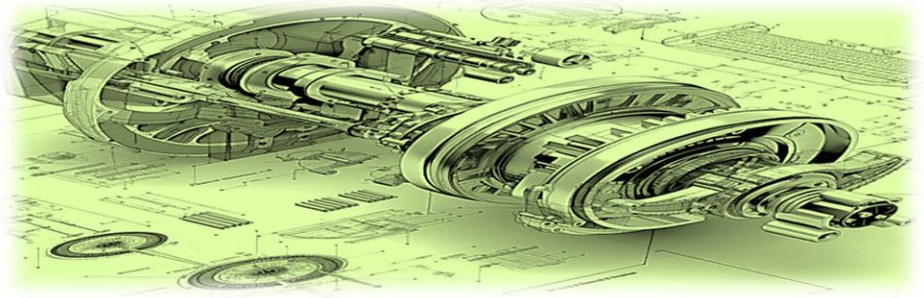




### Exercise (3.4)

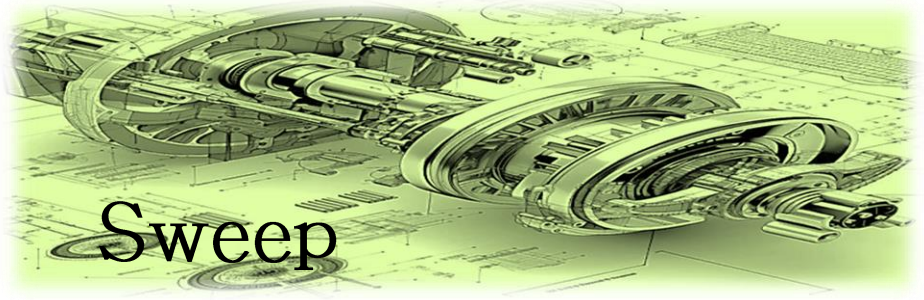


### Exercise (3.5)



### Exercise (3.6)

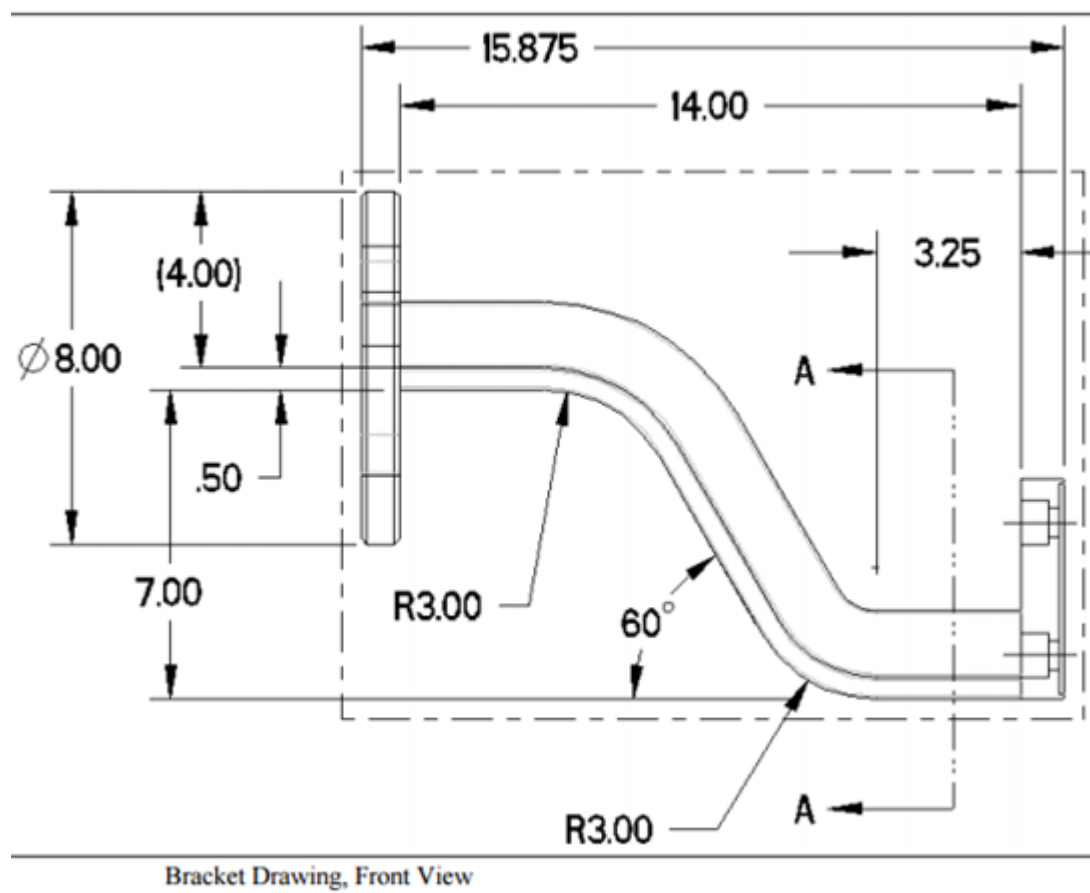
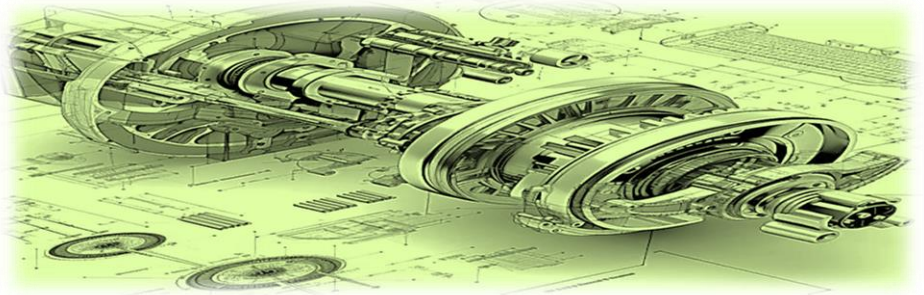




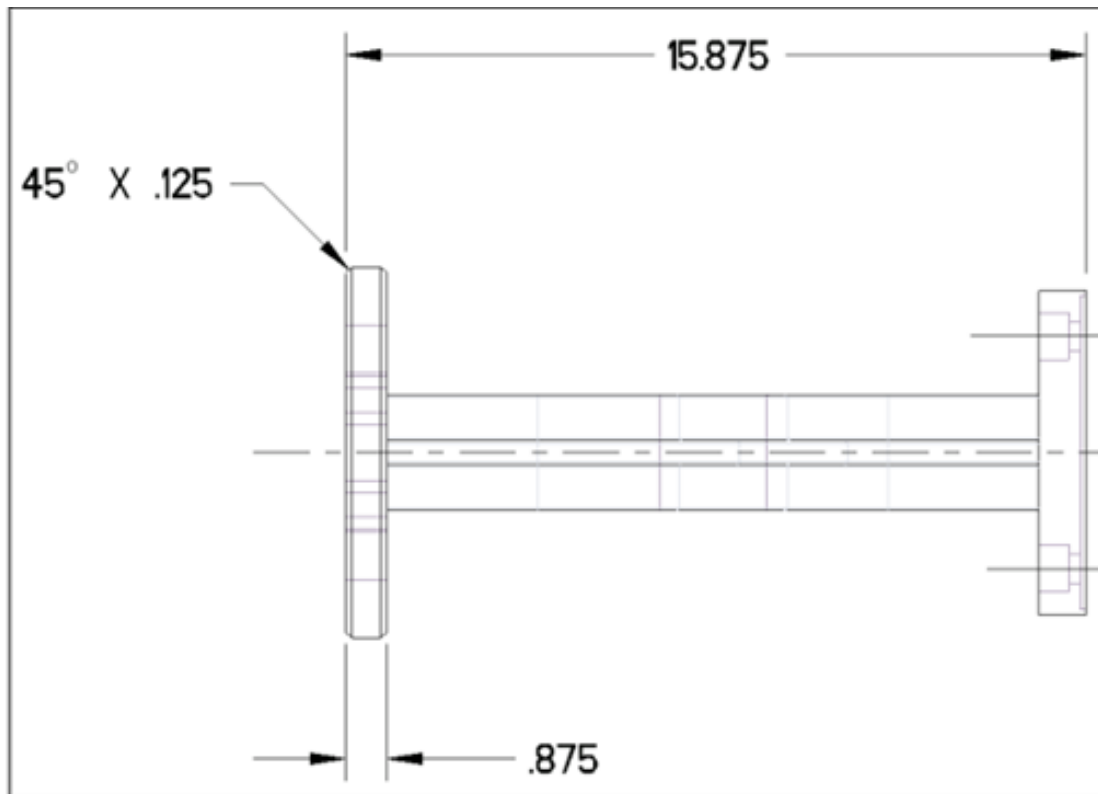
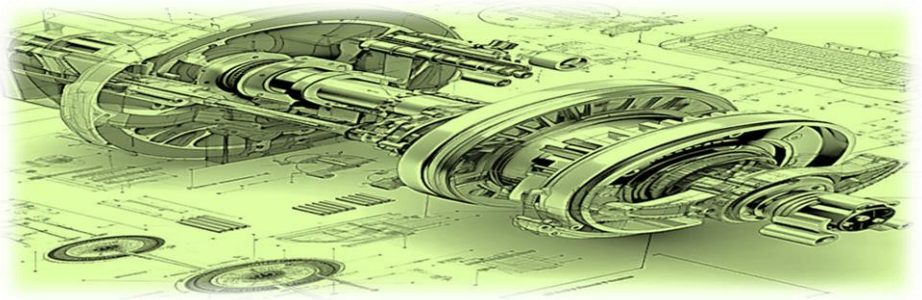
## Goals:

- 3D modeling using sweep.
- Using Palettes.

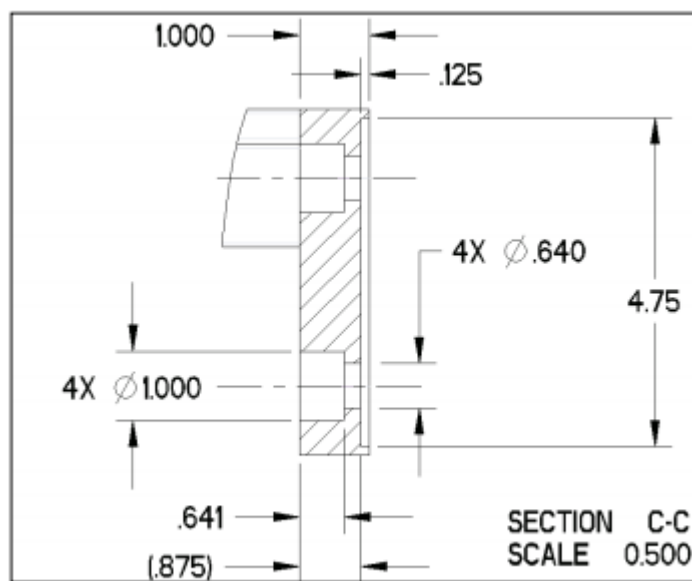




Bracket Drawing, Front View

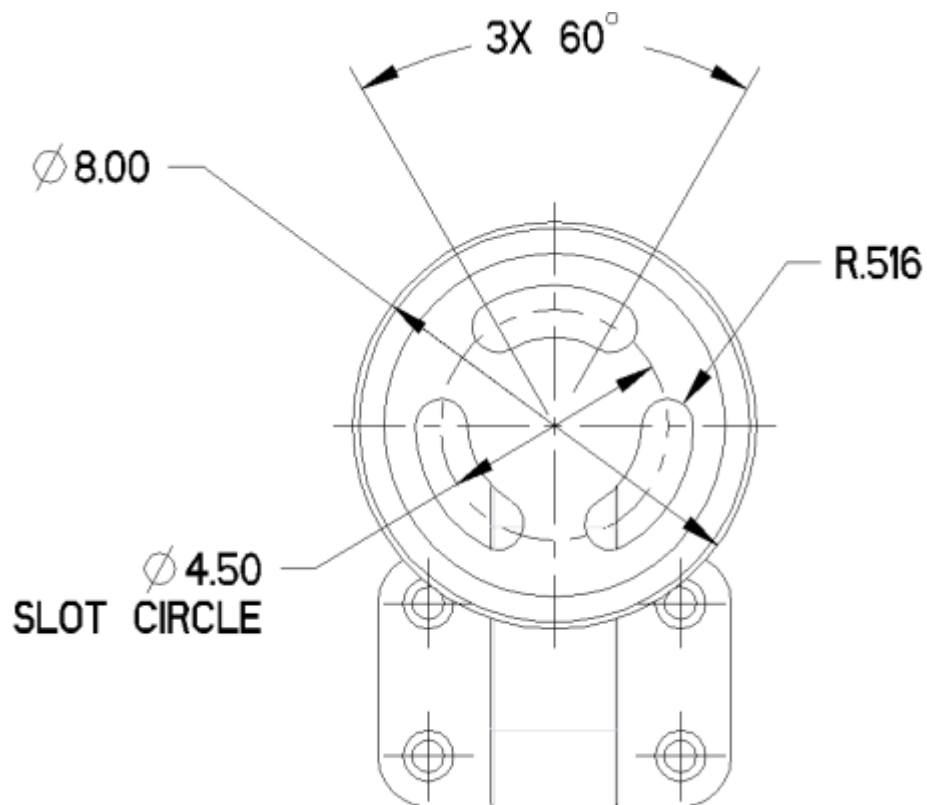
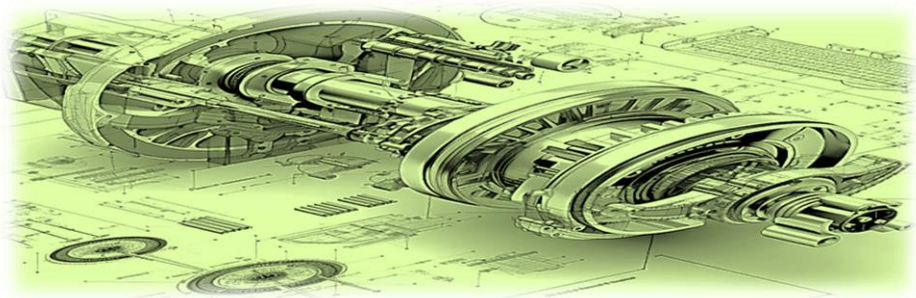


Bracket Drawing, Top View

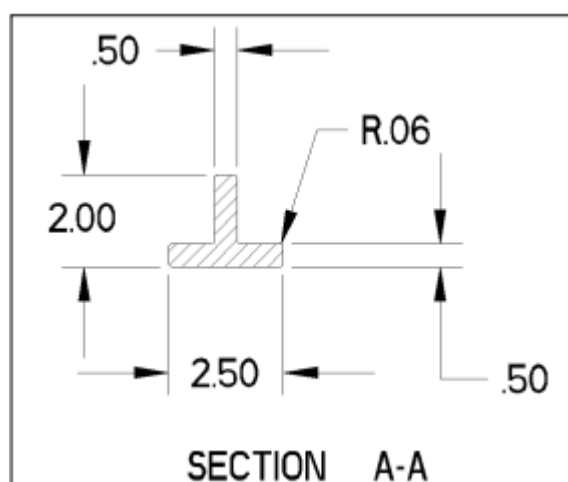


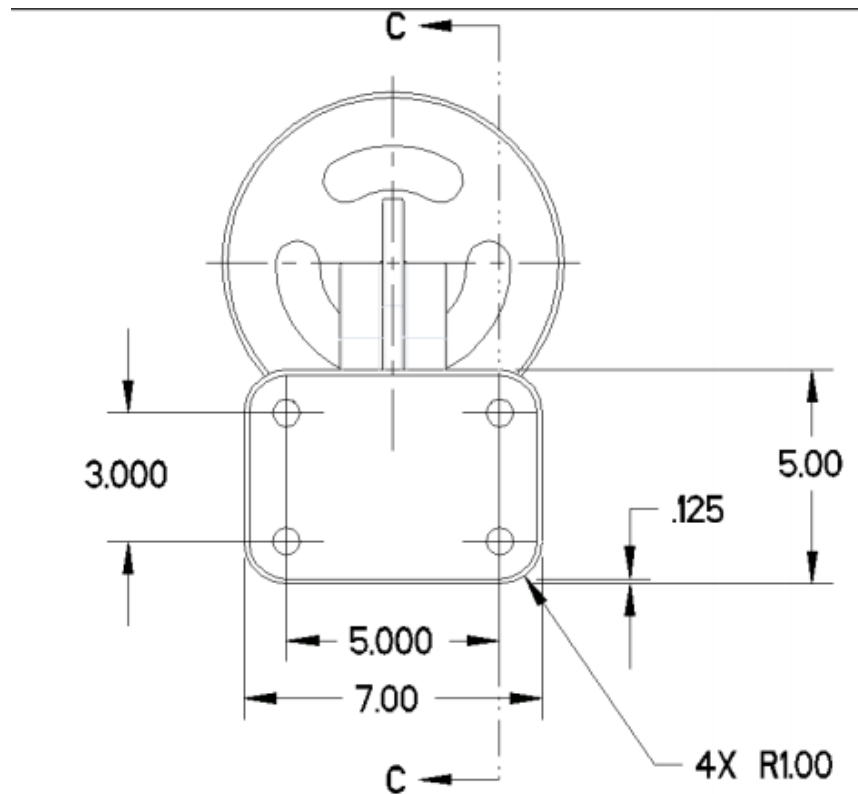
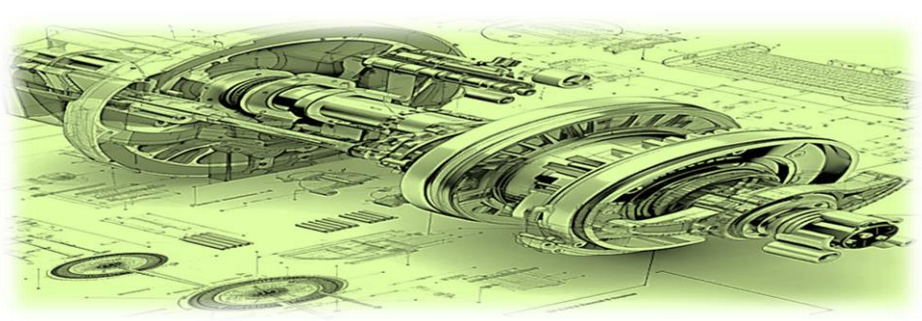
SECTION C-C



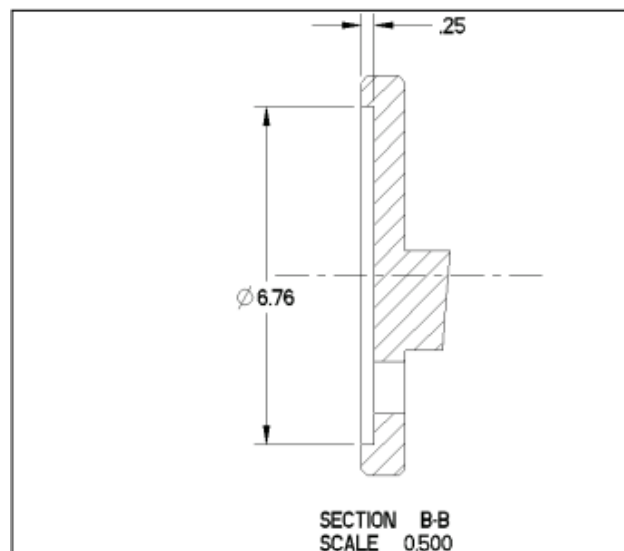


Bracket Drawing, Left Side View

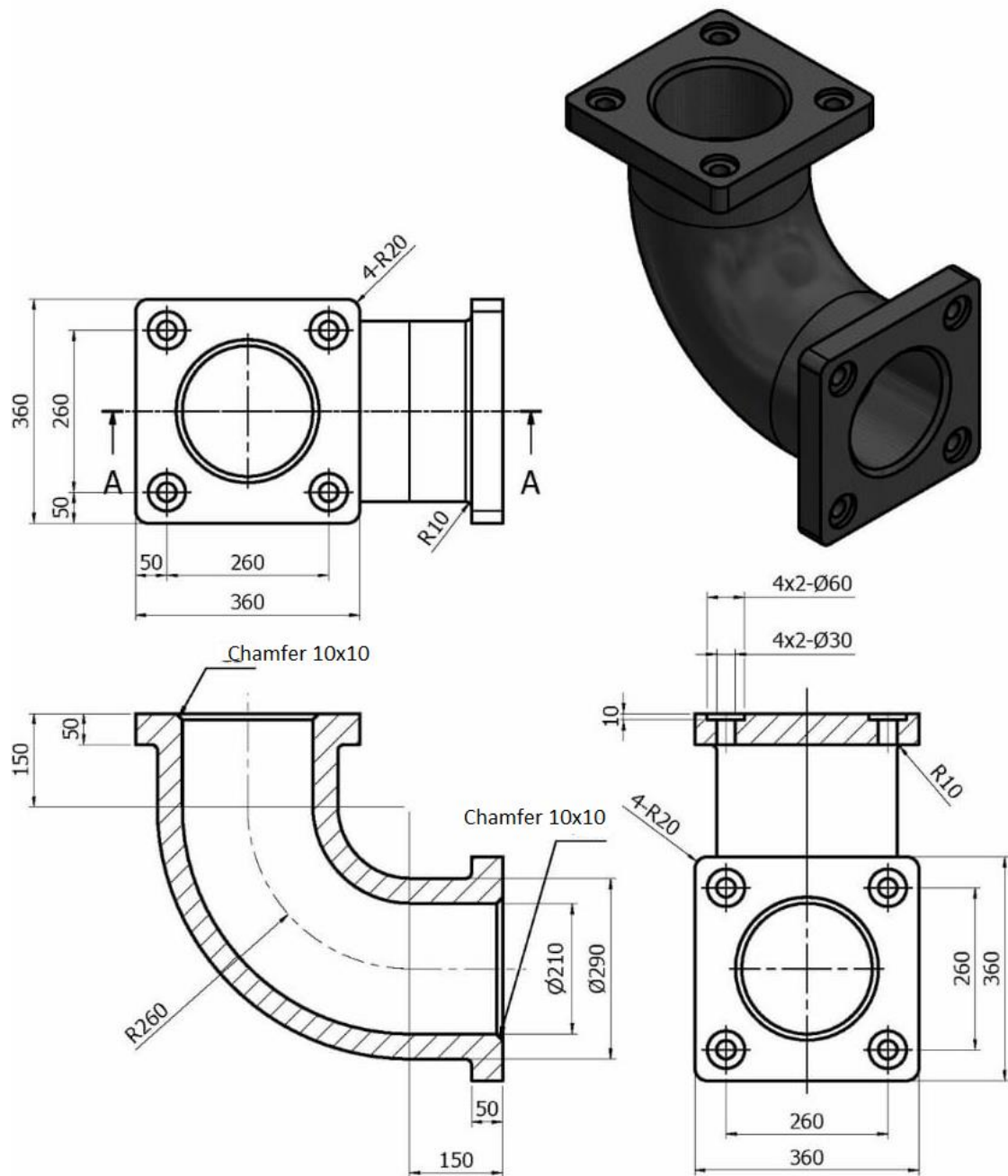
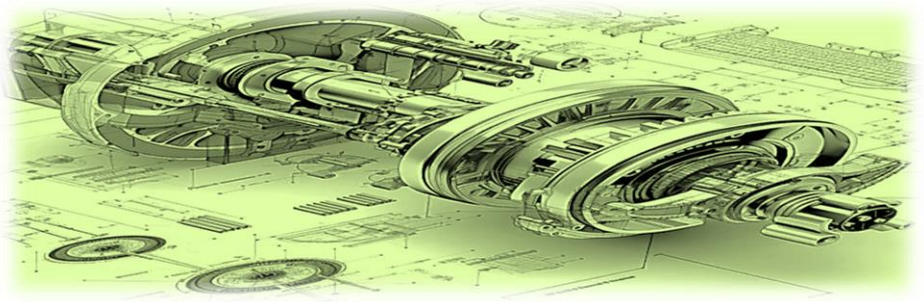




Bracket Drawing, Right Side View

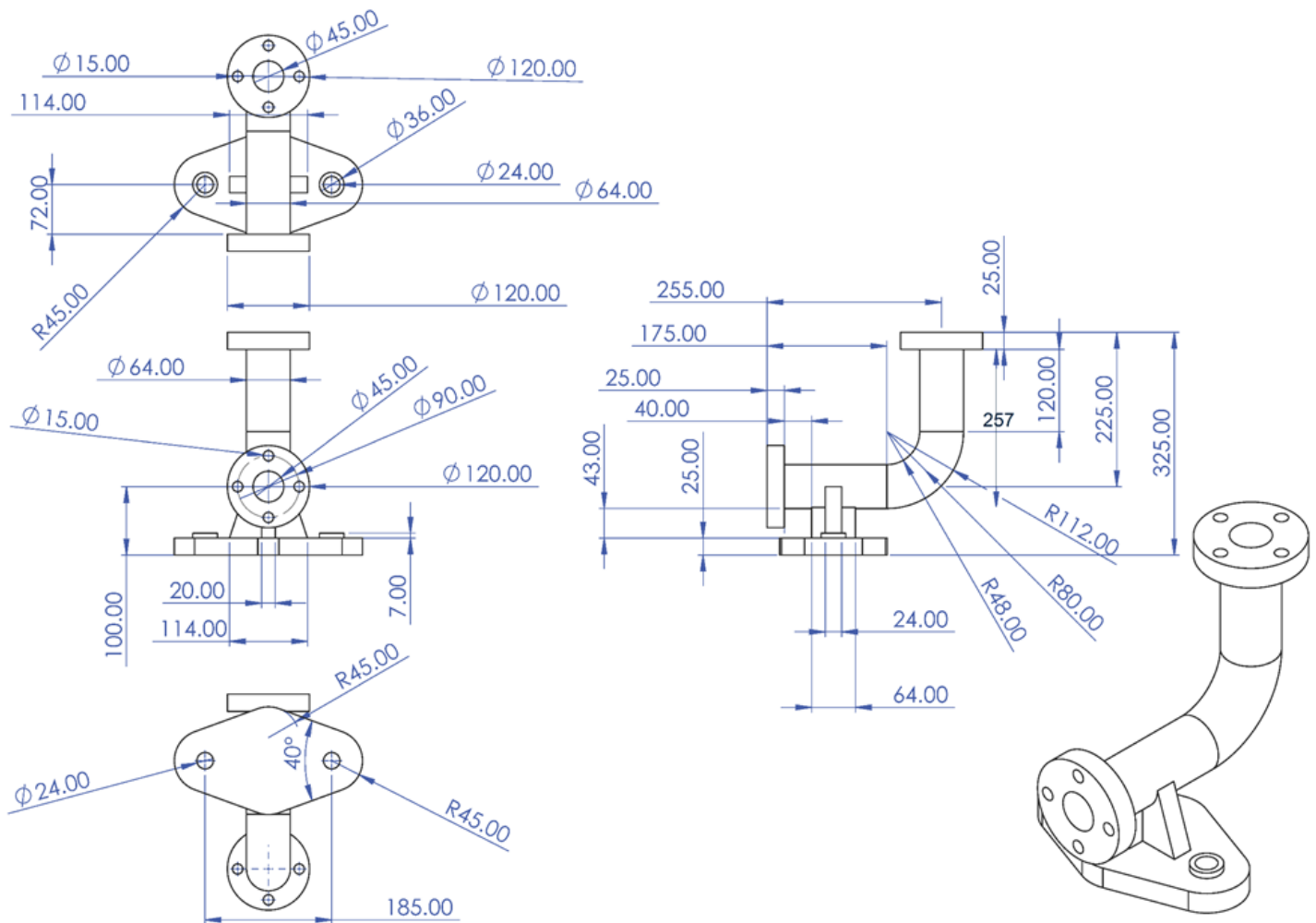
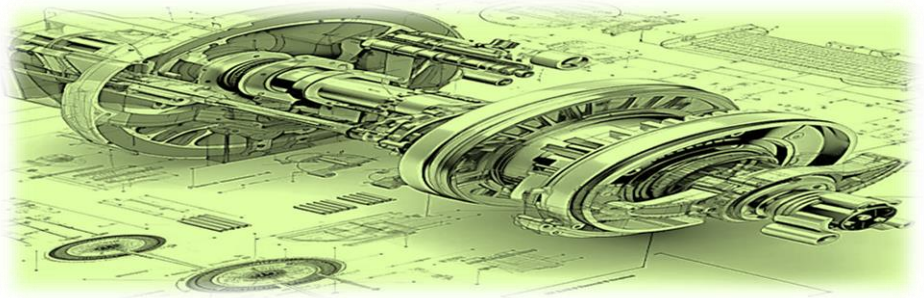


Exercise (4.1)

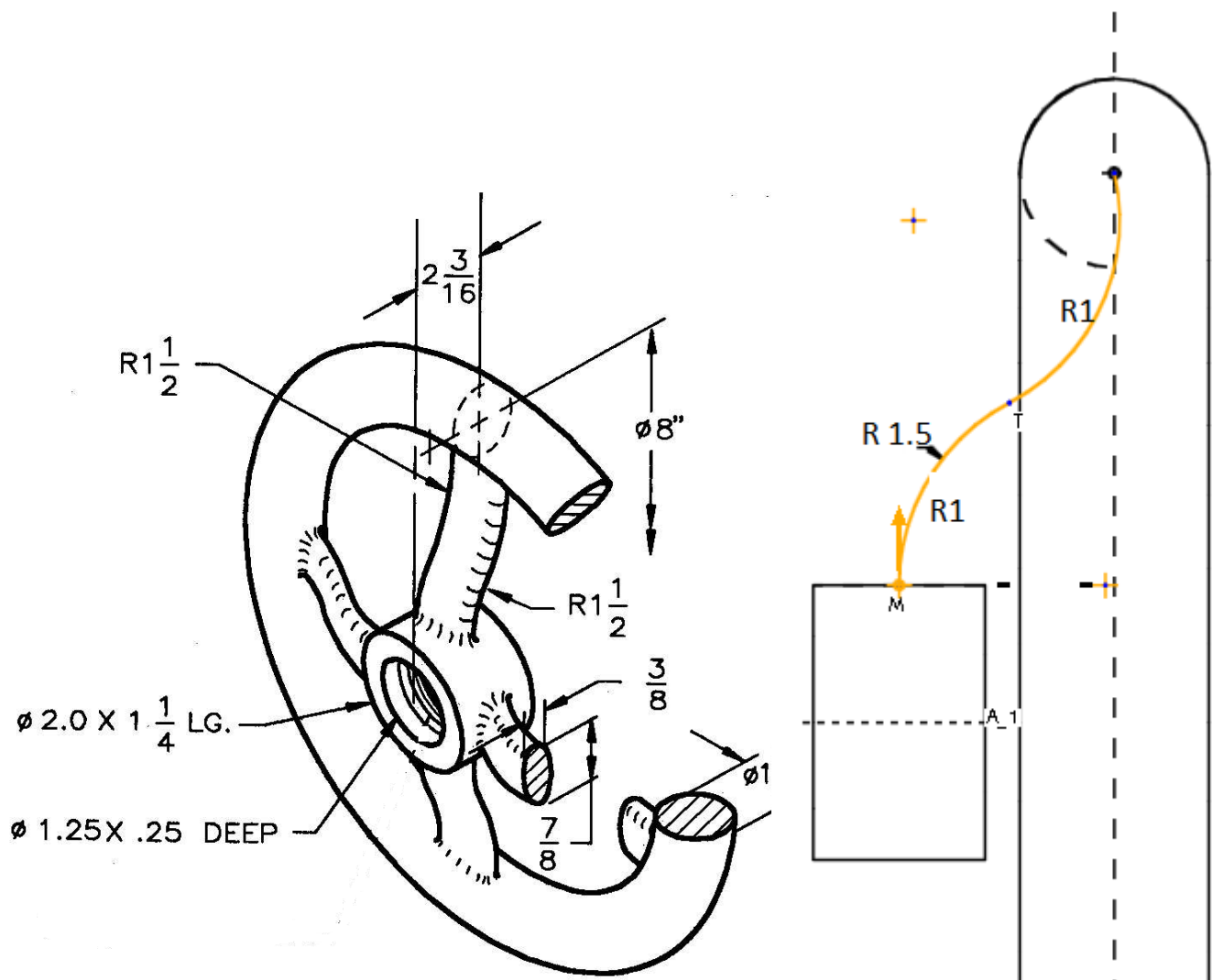
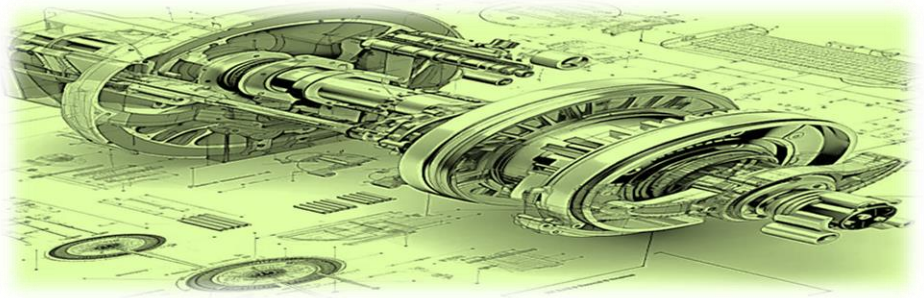


**Exercise (4.2)**





### Exercise (4.3)



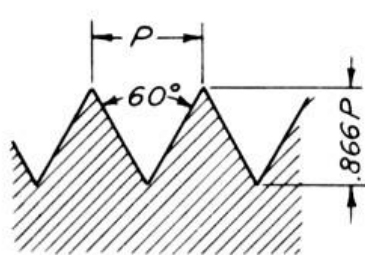
Exercise (4.4)



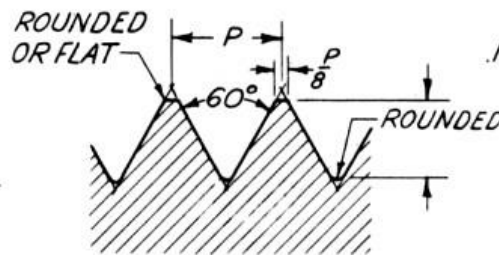
# Helical Sweep

## Goals:

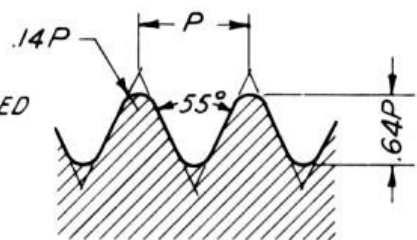
- 3D modeling using helical sweep.



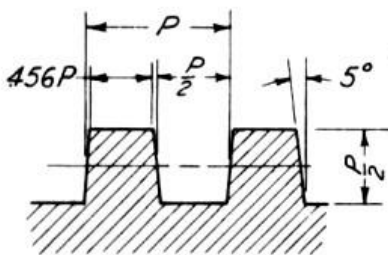
SHARP V



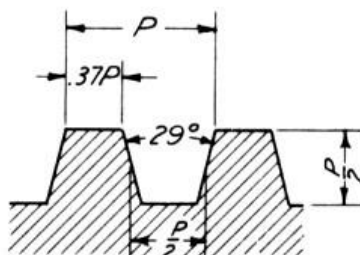
UNIFIED



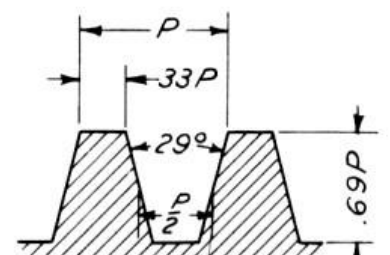
WHITWORTH



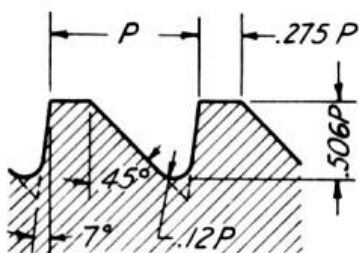
MODIFIED SQUARE  
10° INCLUDED ANGLE



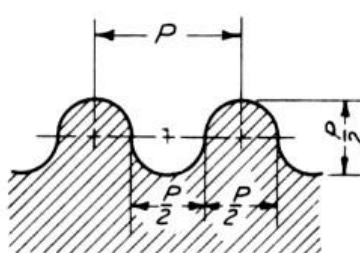
ACME



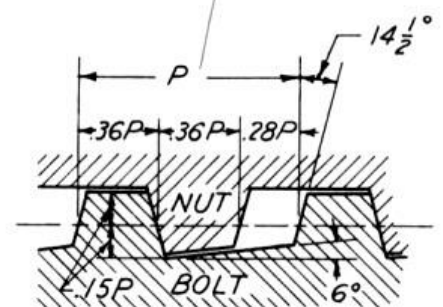
B & S WORM



MODIFIED BUTTRESS



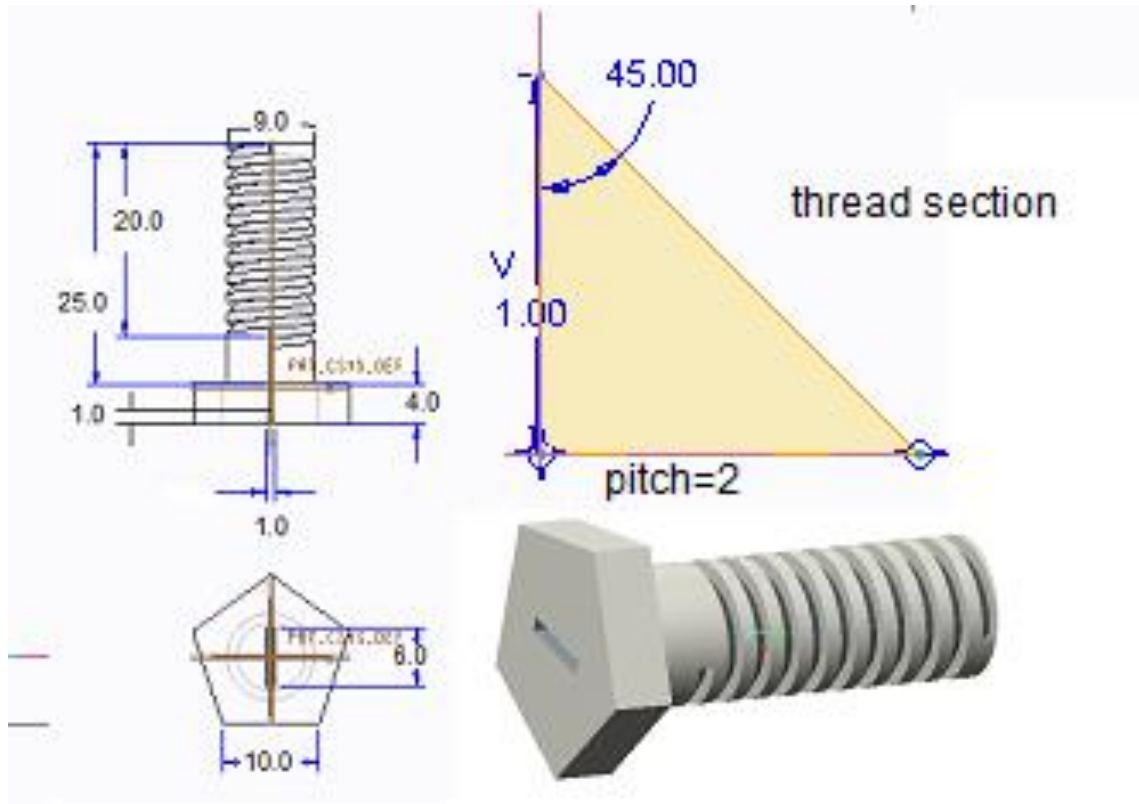
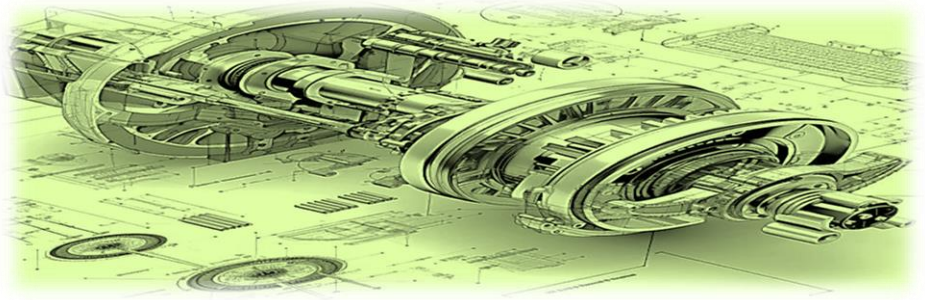
KNUCKLE



DARDELET

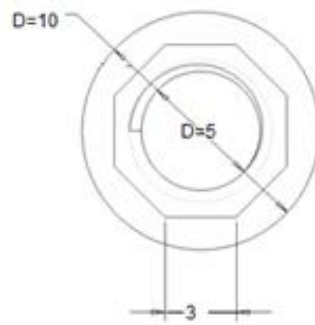
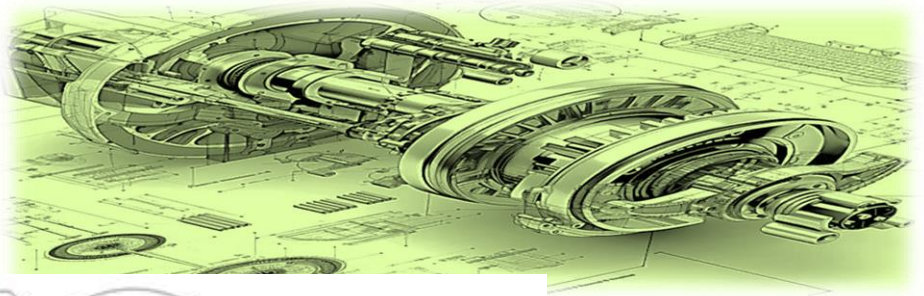
## Screw threads.



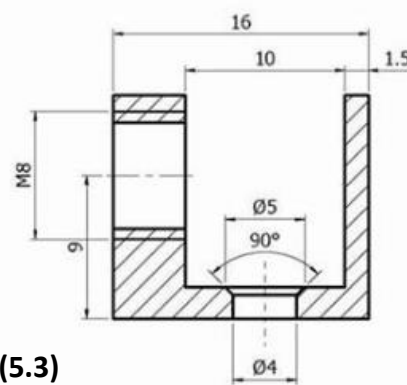
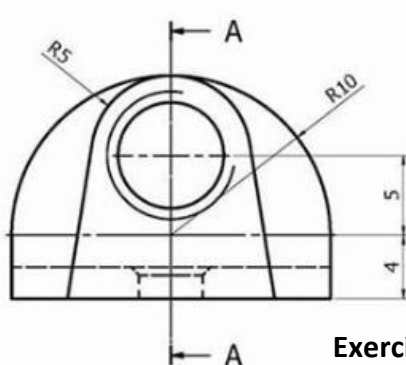
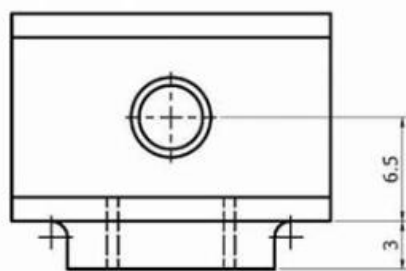
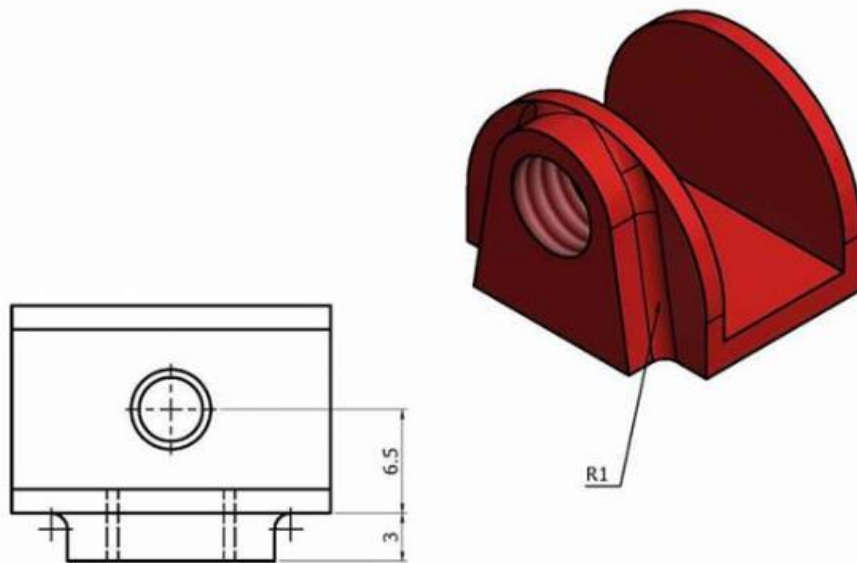


Exercise (5.1)



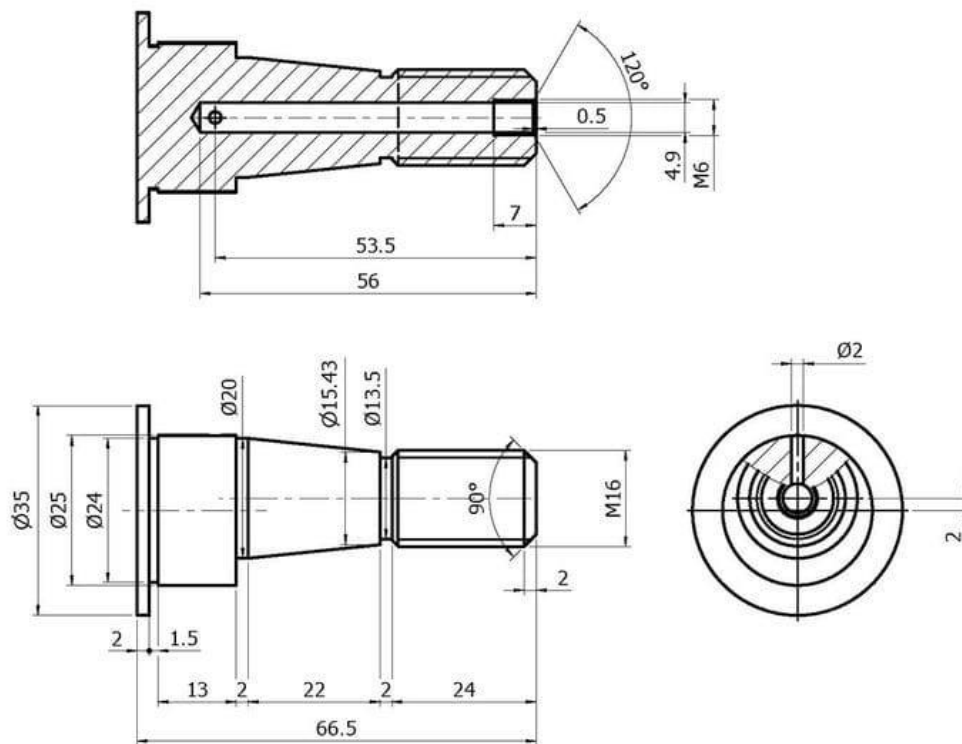
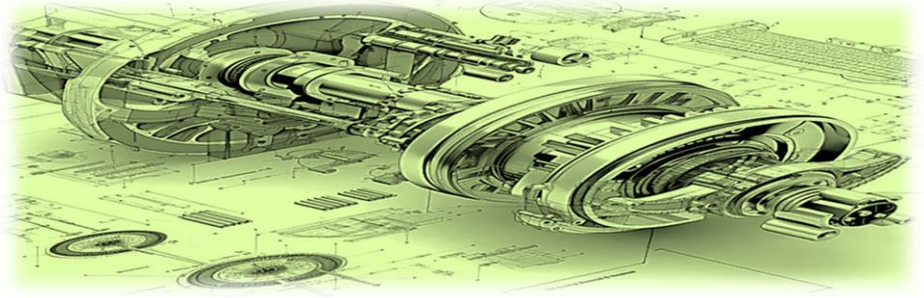


Exercise (5.2)

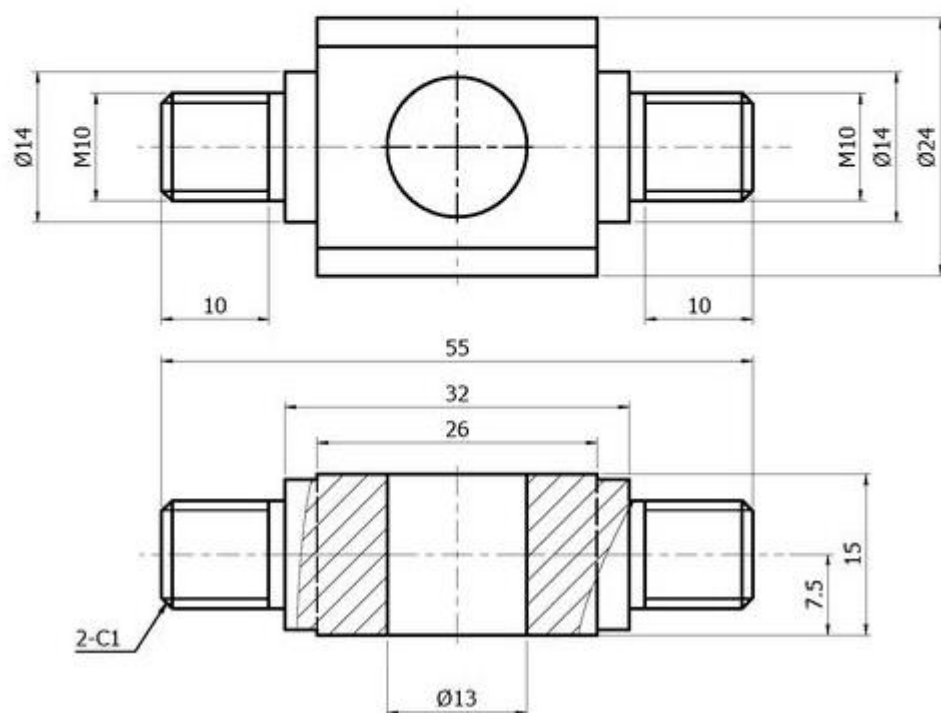
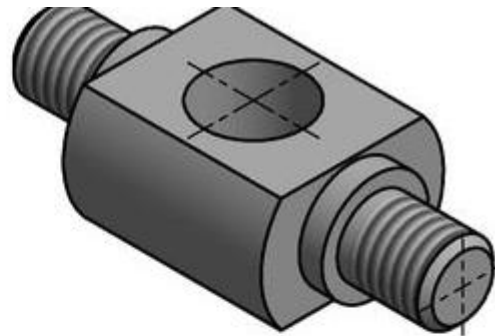
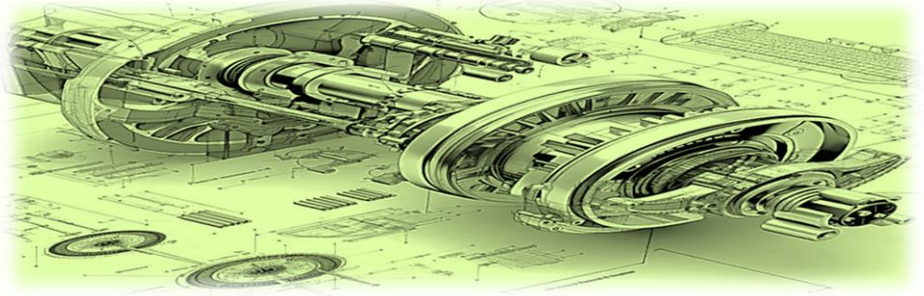


Exercise (5.3)

SECTION A-A



### Exercise (5.4)



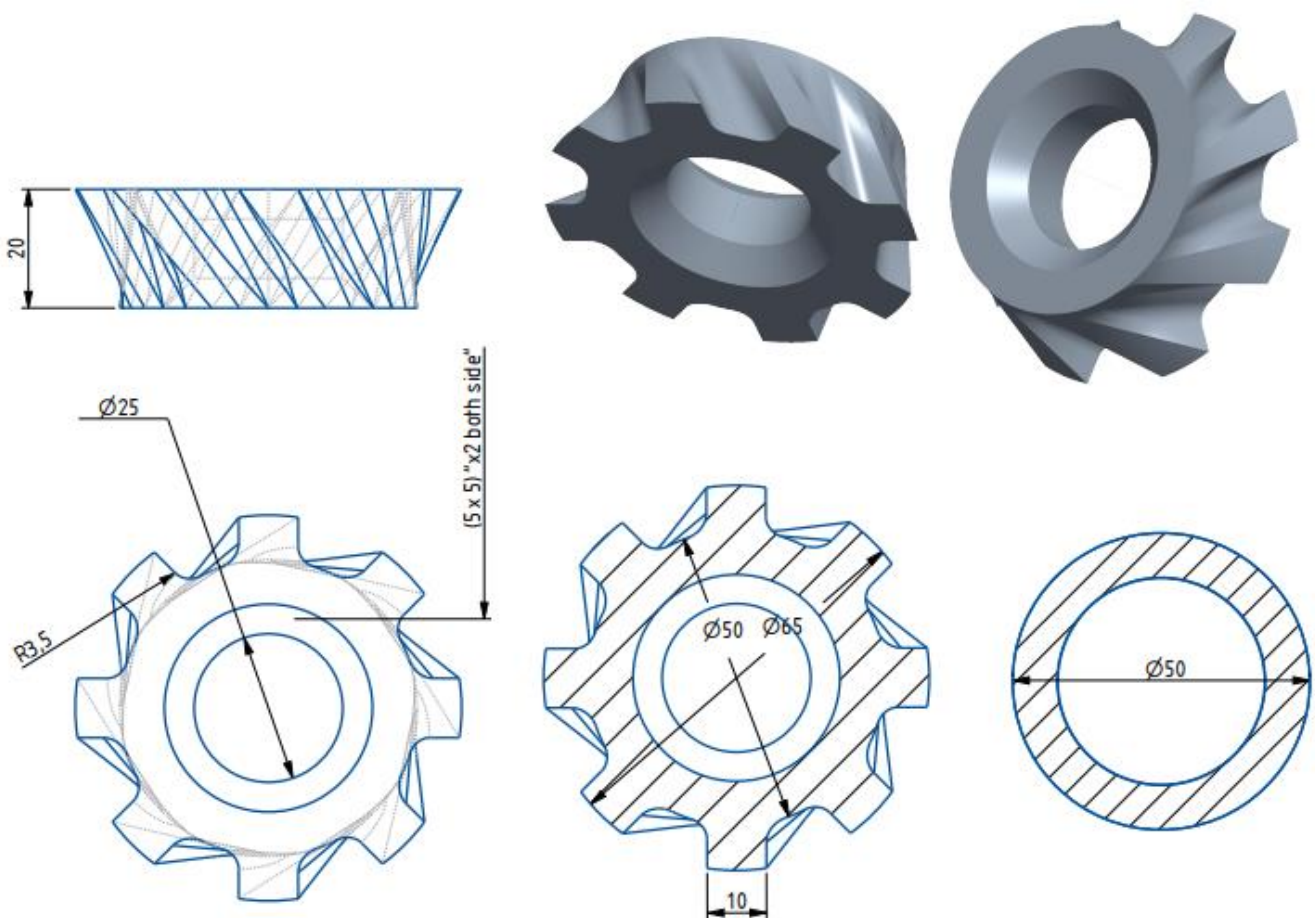
### Exercise (5.5)



# Swept Blend

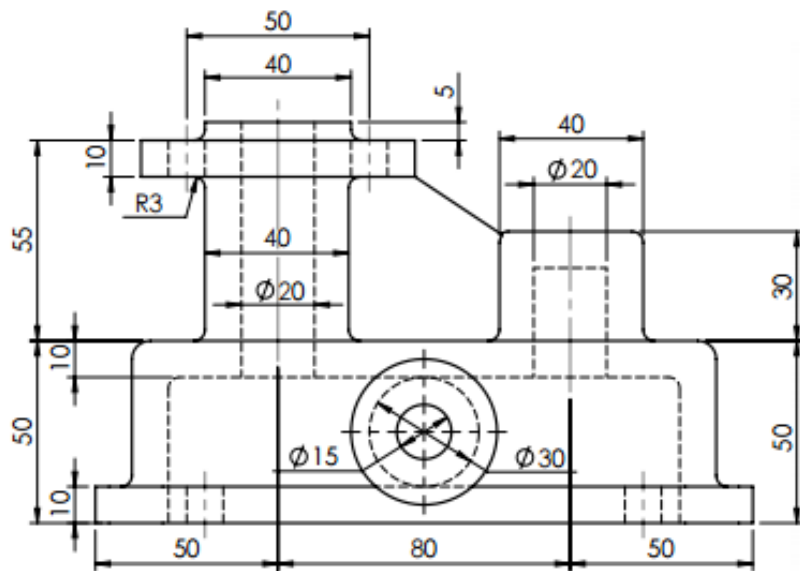
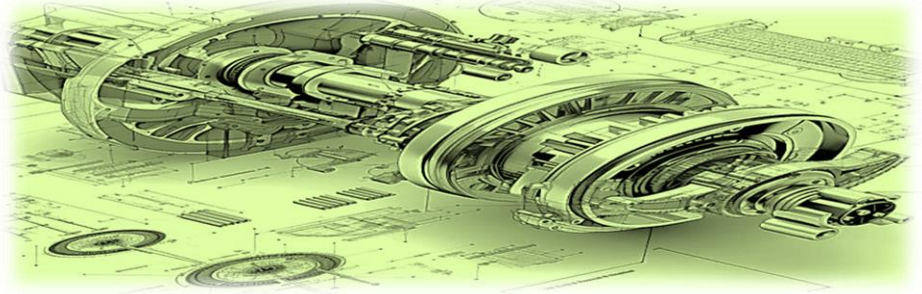
## Goals:

- Create a Swept Blend

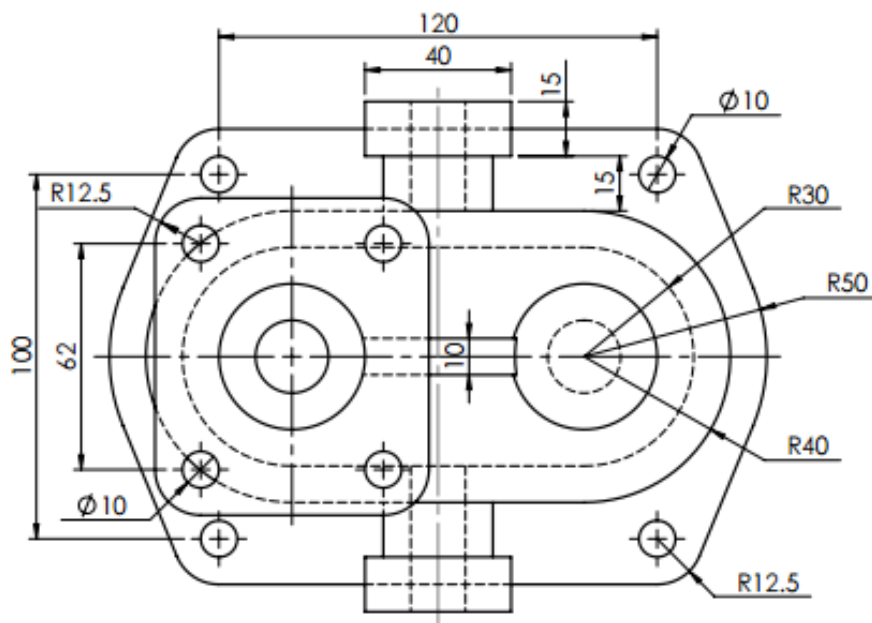
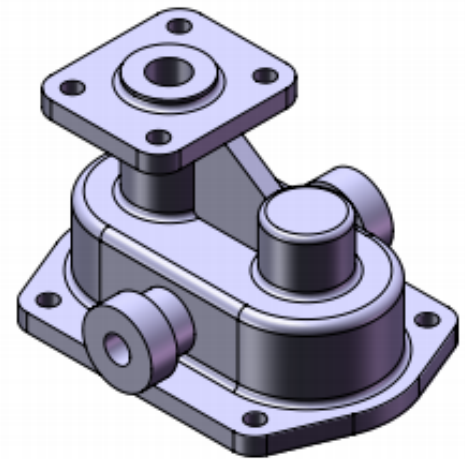


Exercise (6.1)

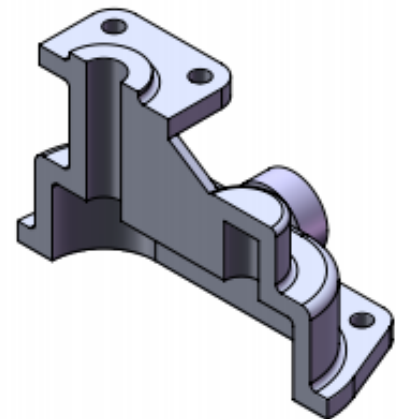




**Front View**



**Top View**

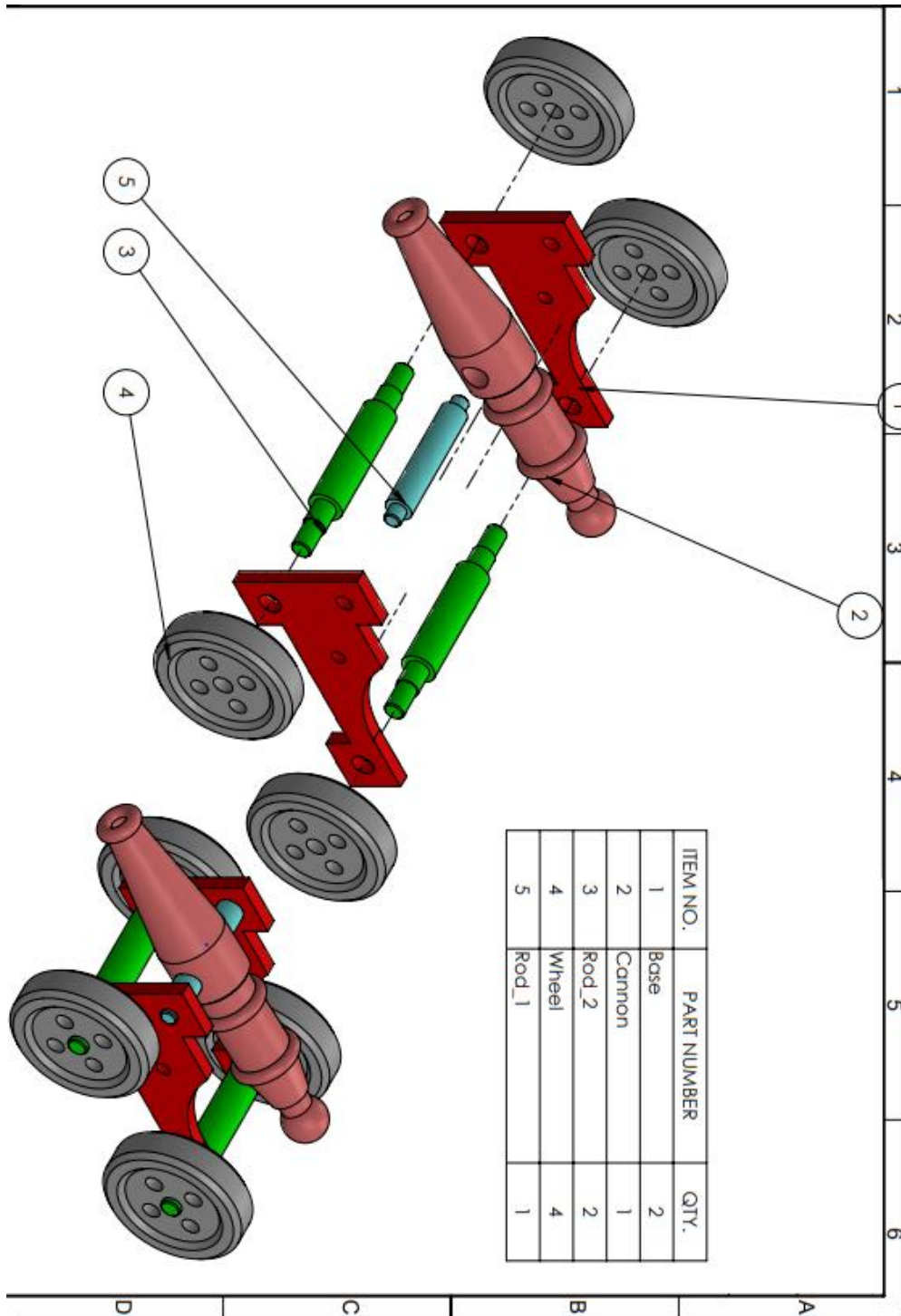


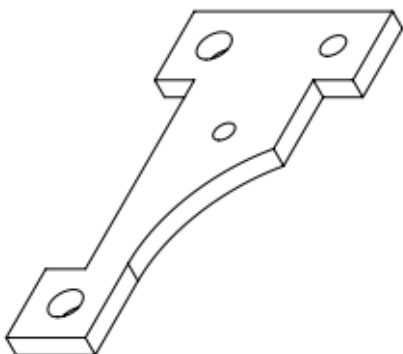
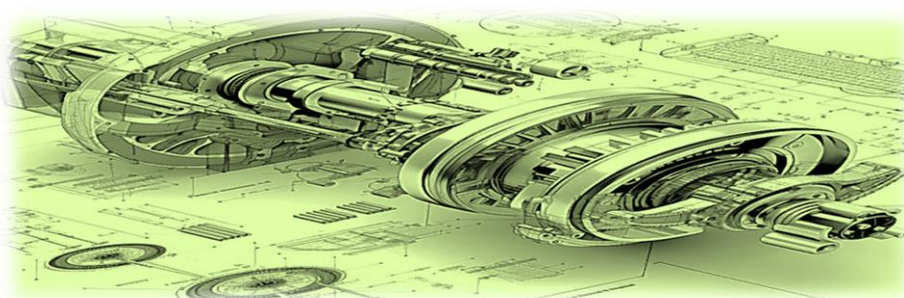
**Sectional Front View**

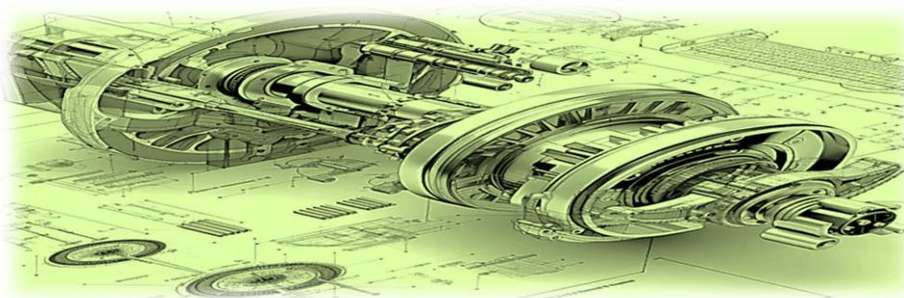
**Exercise (7.1)**



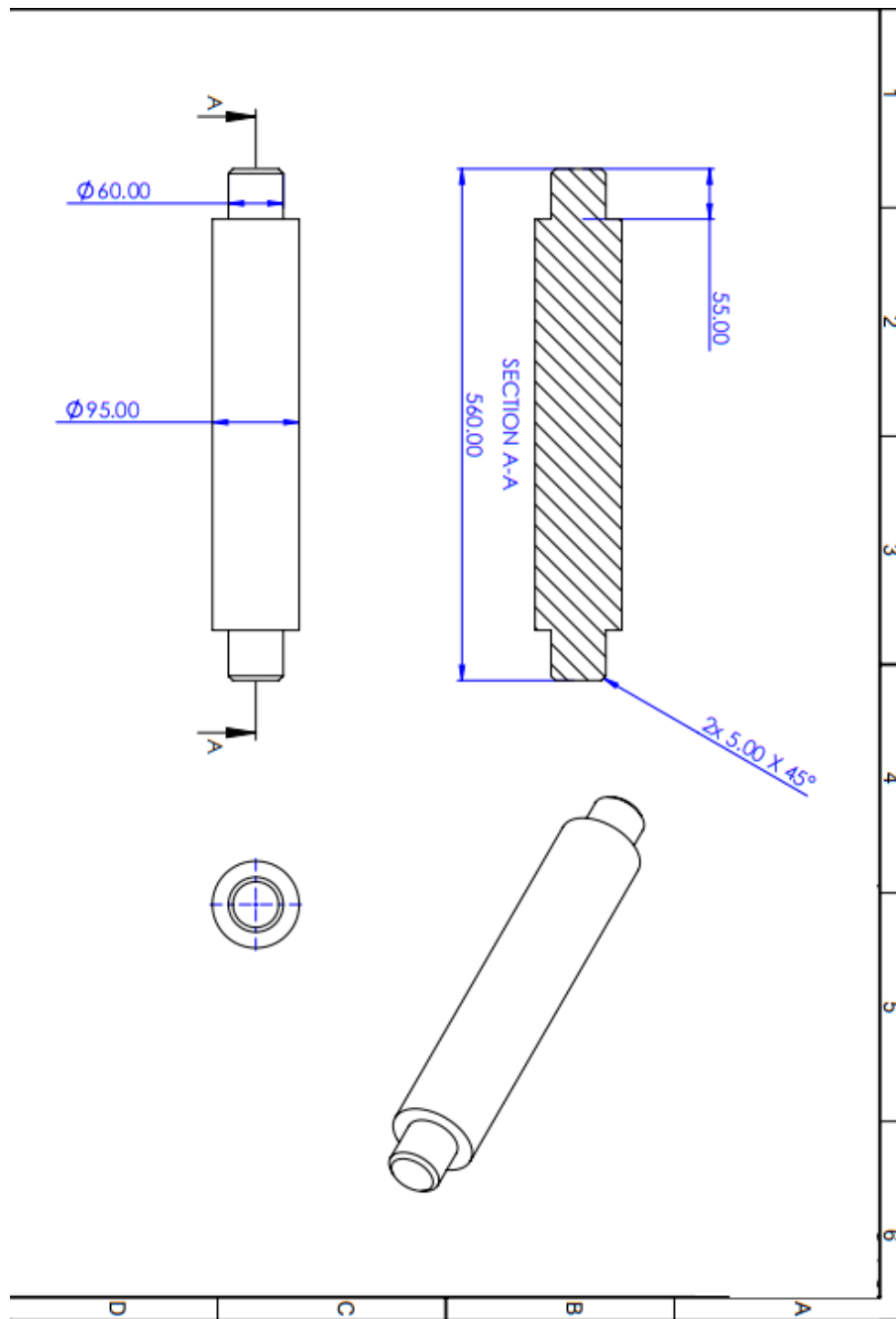
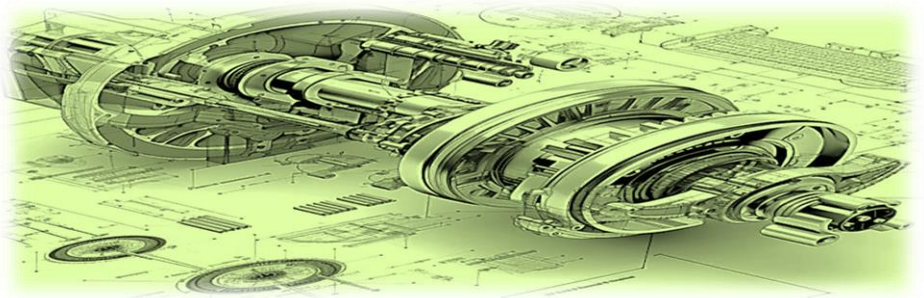
# Assembly

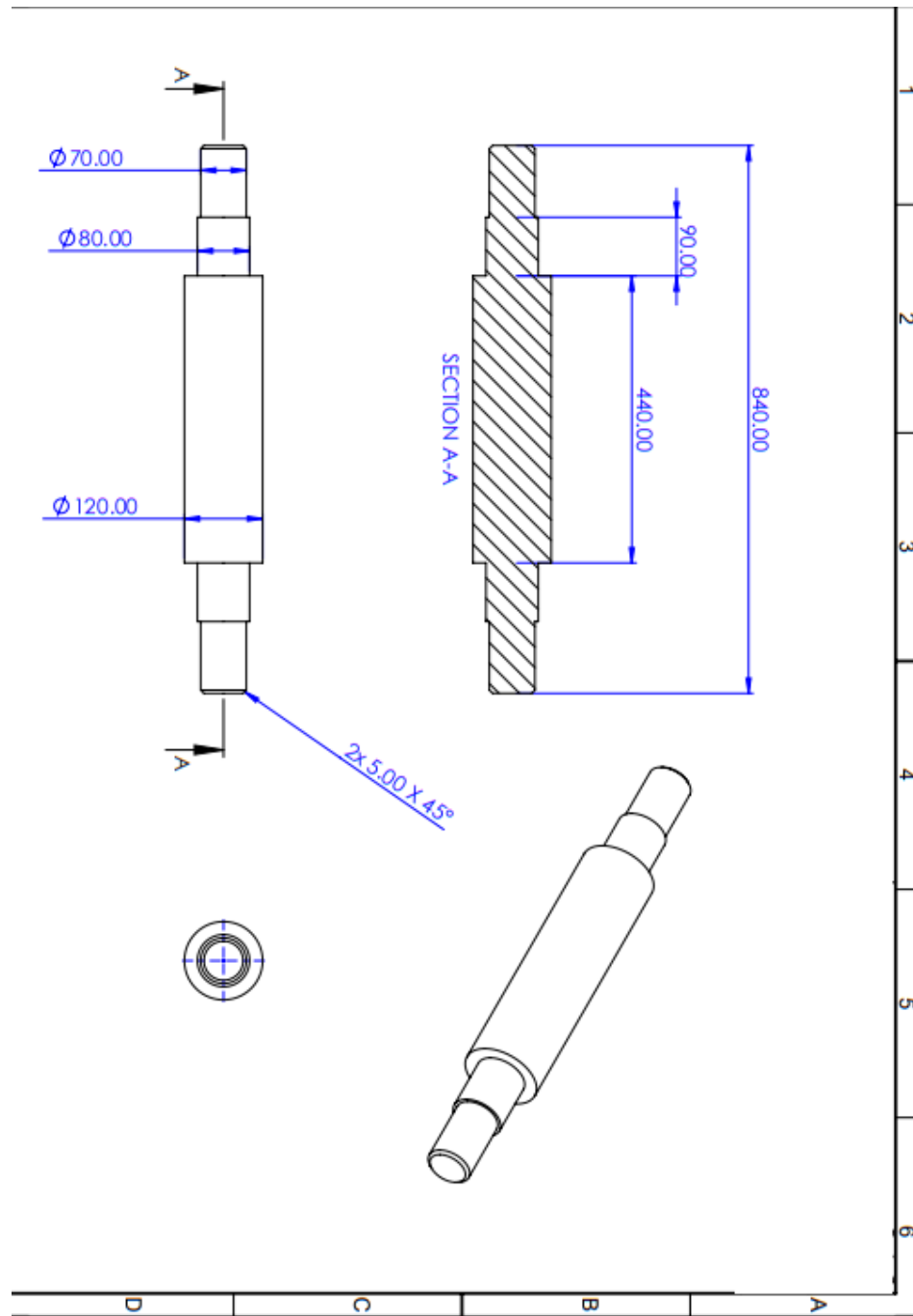
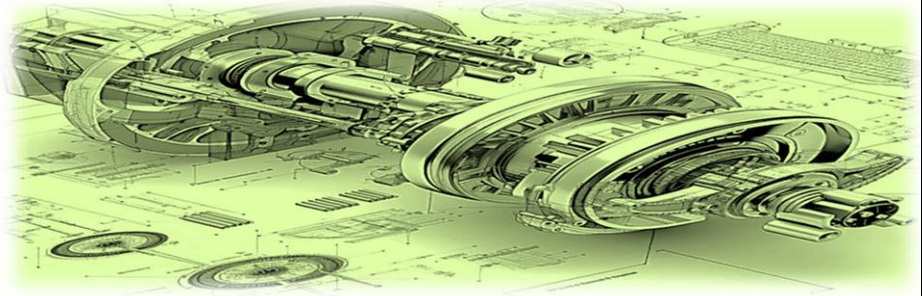


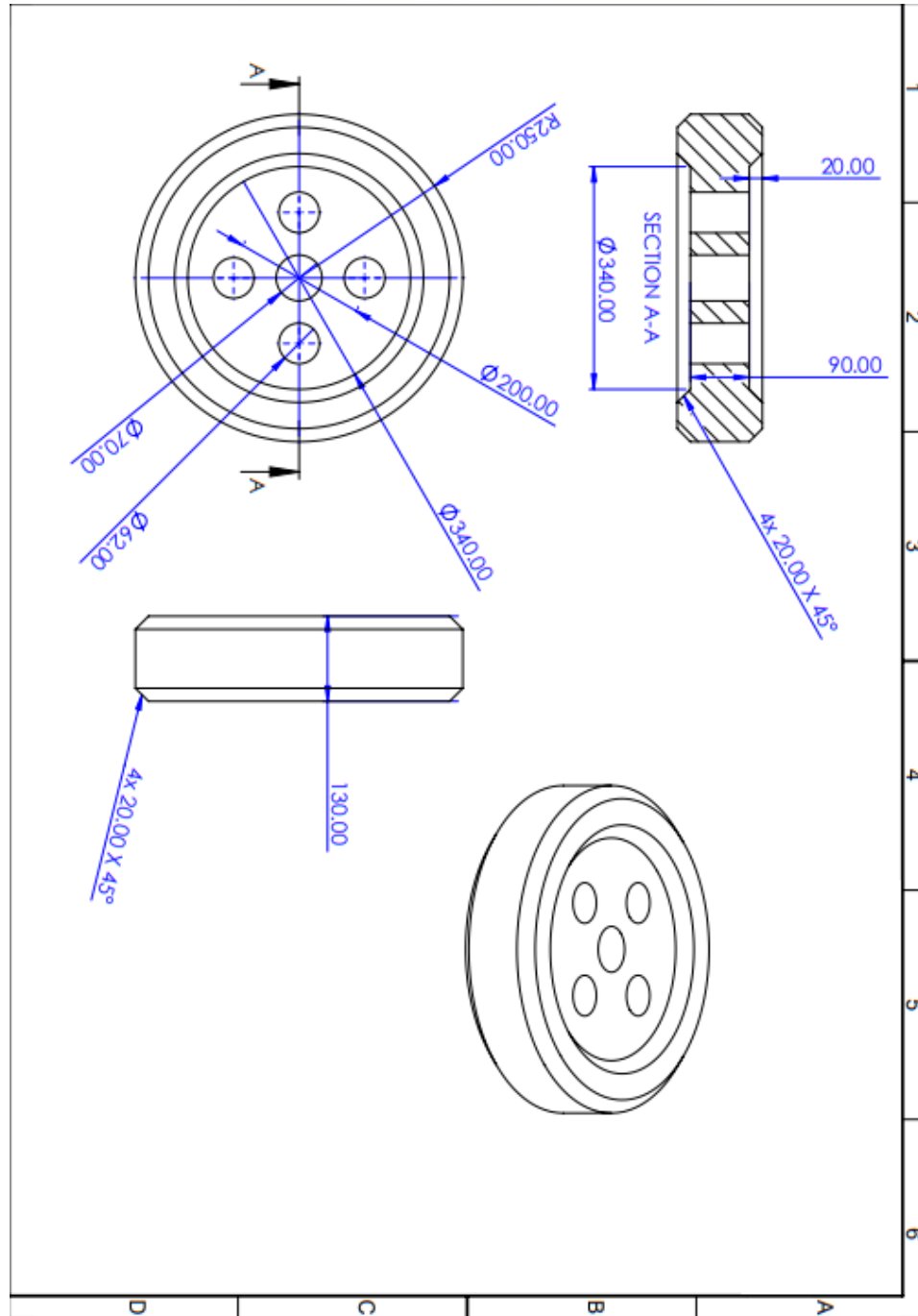
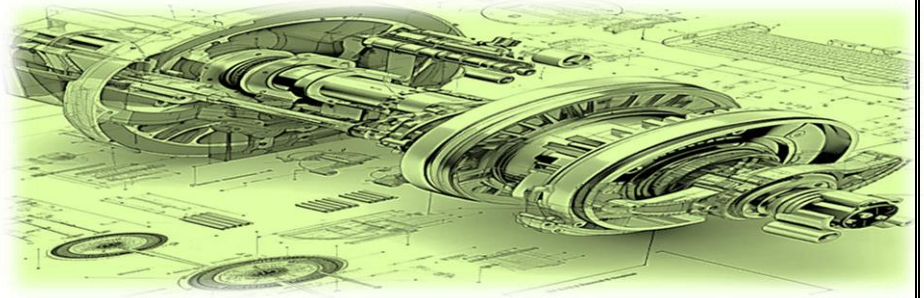












Exercise (8.1)