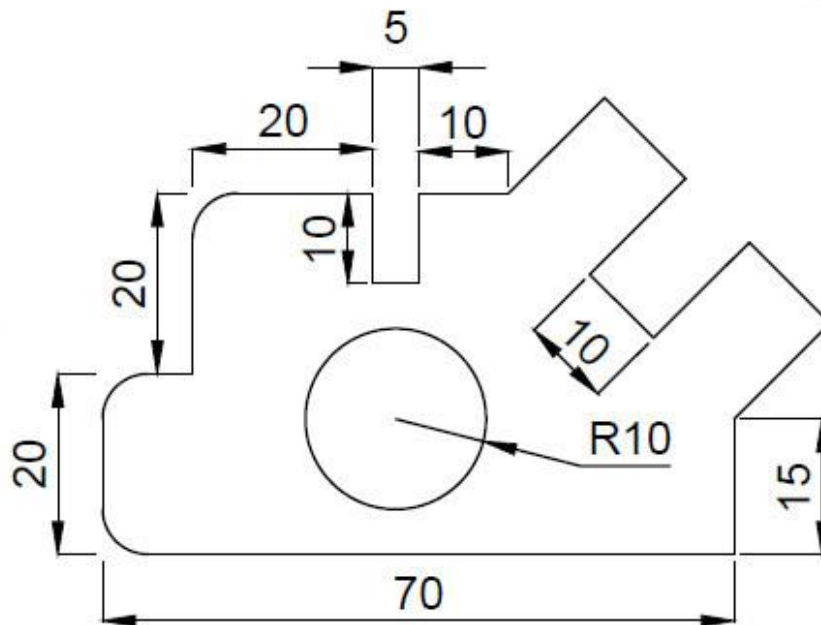


AUTOCAD EXERCISES

*A series of challenging
2D CAD exercises for Beginners*



Tutorial 45

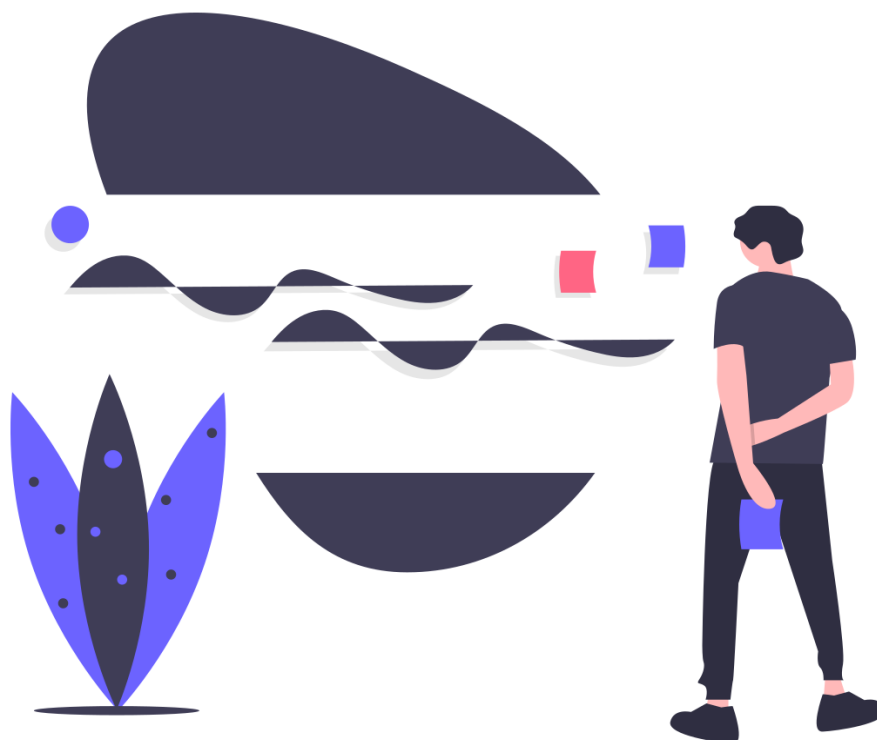
Created and compiled by tutorial45.com

Introduction

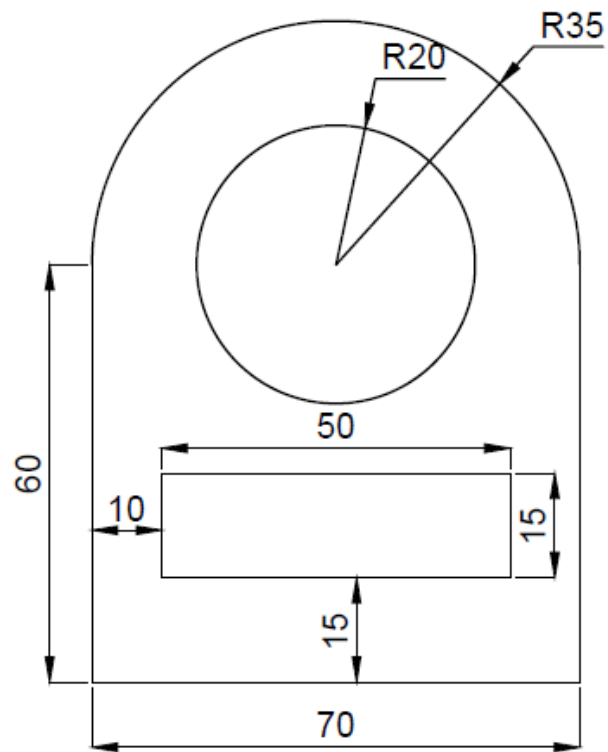
People love learning by doing. This technique helps learners have a single point of focus when learning which contribute to having the learned skill stick in with more ease.

Here is a series of CAD exercises created to help CAD beginner learn computer-aided design. These exercises were used to teach AutoCAD [here](#) but can as well been used to learn any CAD software on the market today.

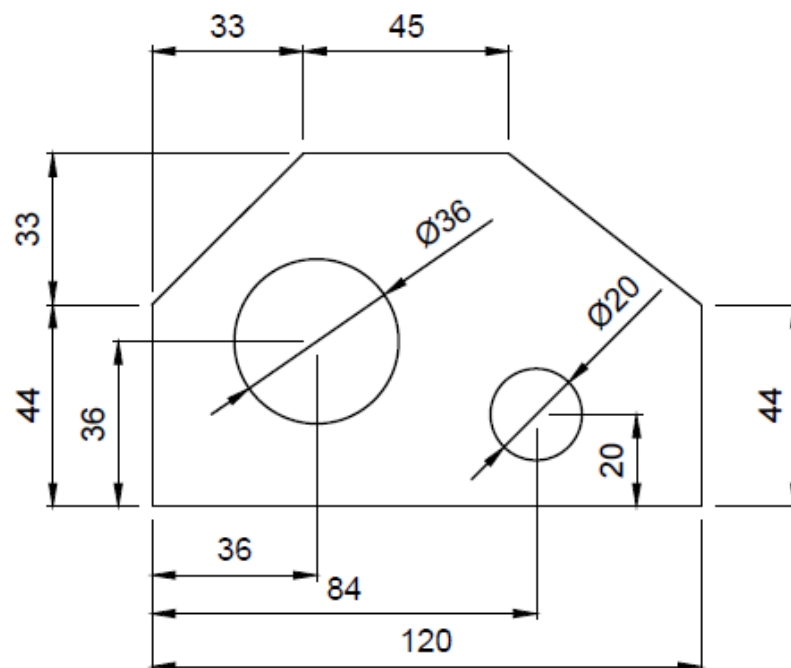
Couples of 3D CAD projects have been added at the end of the book. Those might be necessary for those who will be able to complete the 2D part.



2D Exercise 1

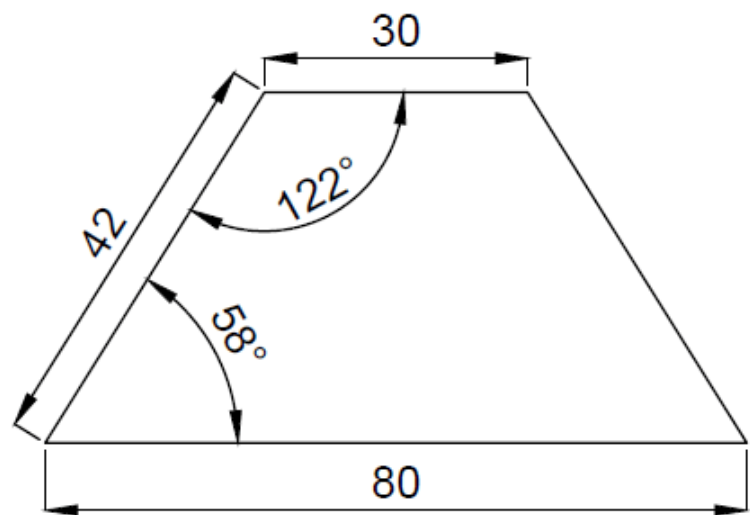


2D Exercise 2



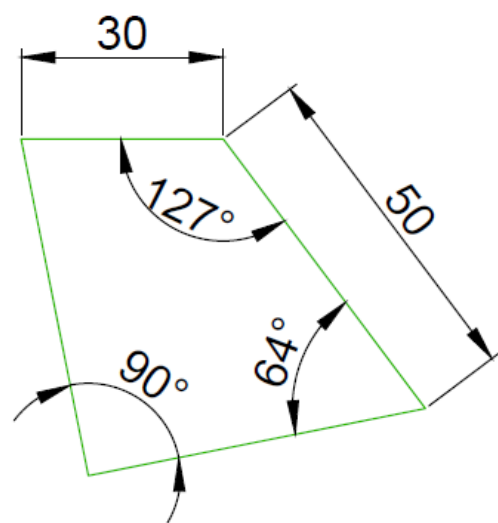
2D Exercise 3

Remember to start with the information you have.



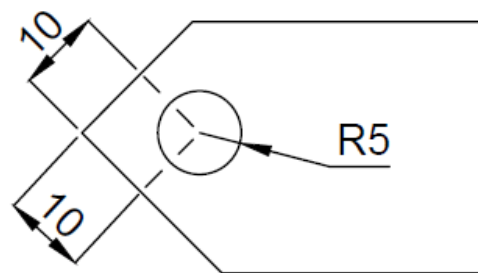
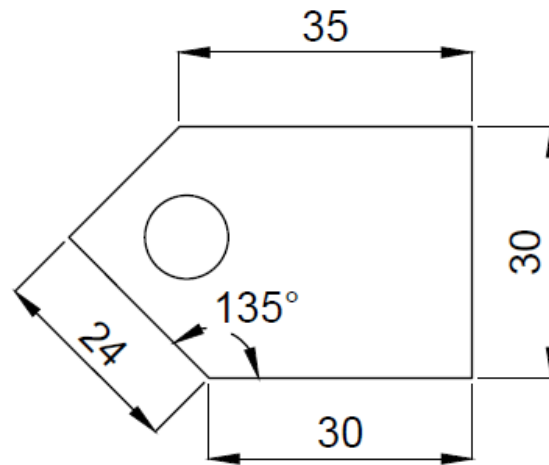
2D Exercise 4

This exercise may seem not to have all information you need but it does. Start with the information you have and all will come into place in the end.



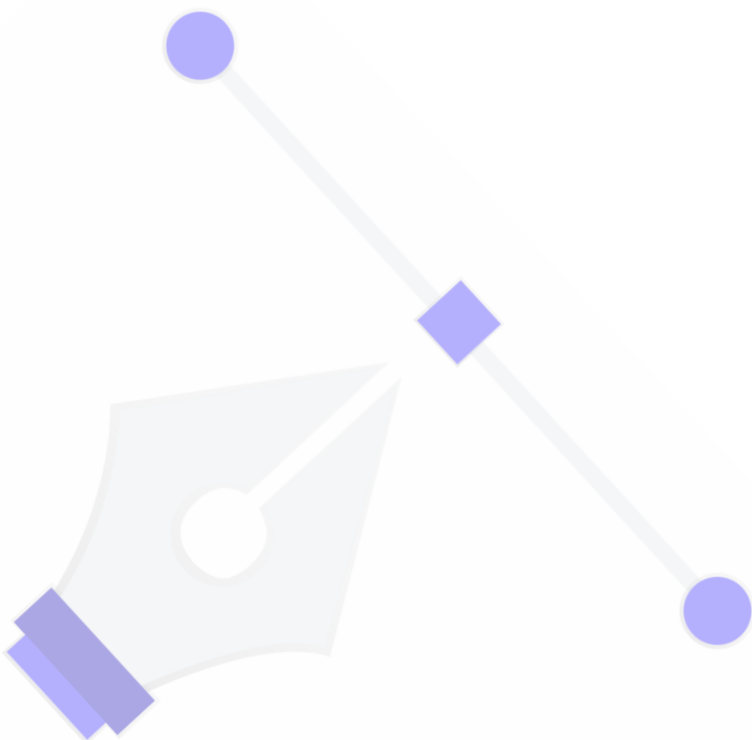
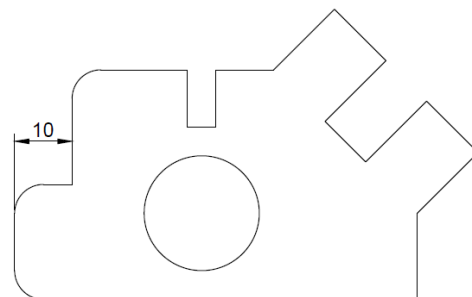
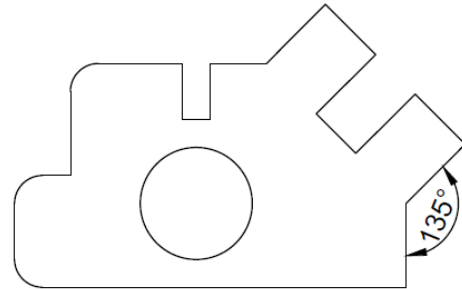
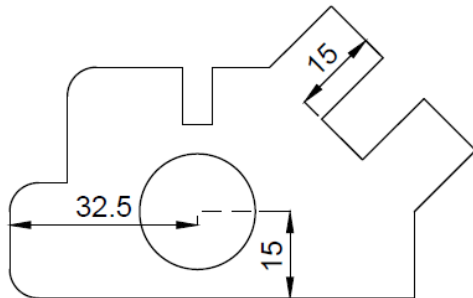
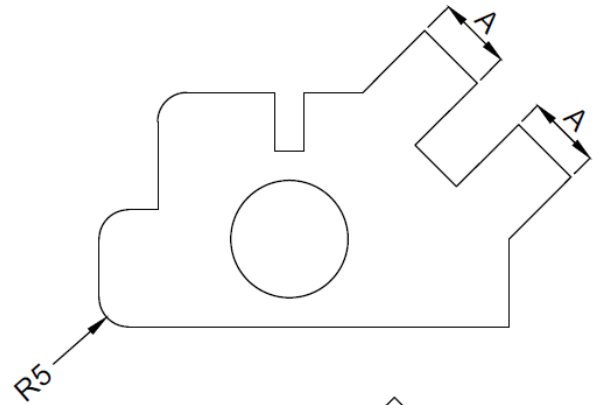
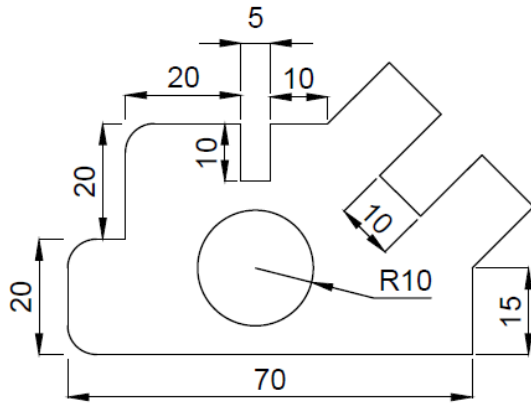
2D Exercise 5

The information related to this exercise have been split into two images.

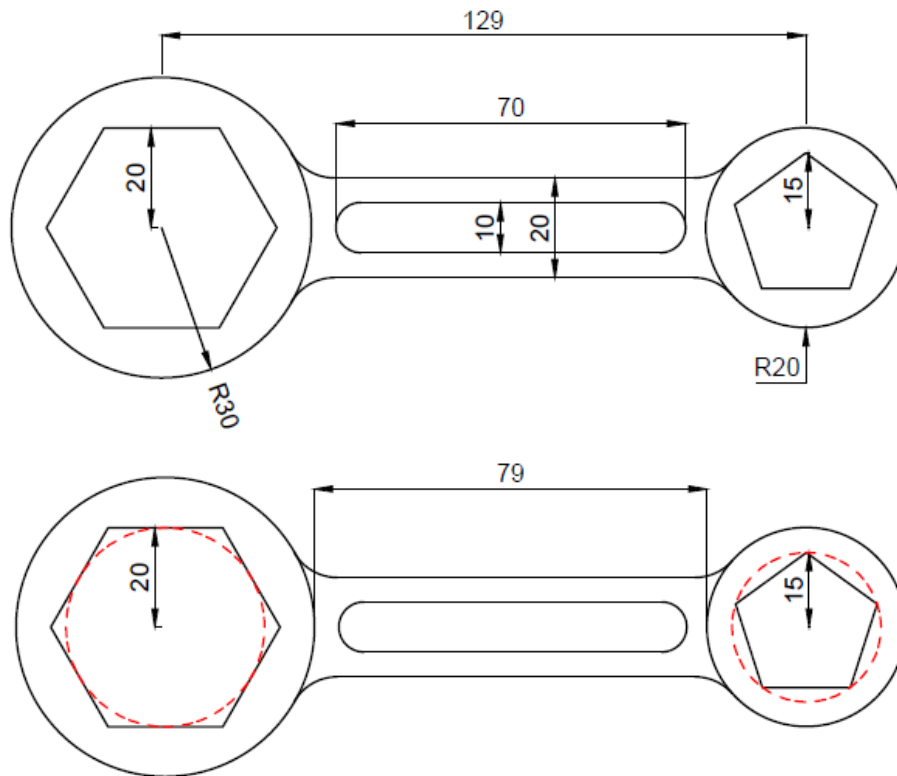


2D Exercise 6

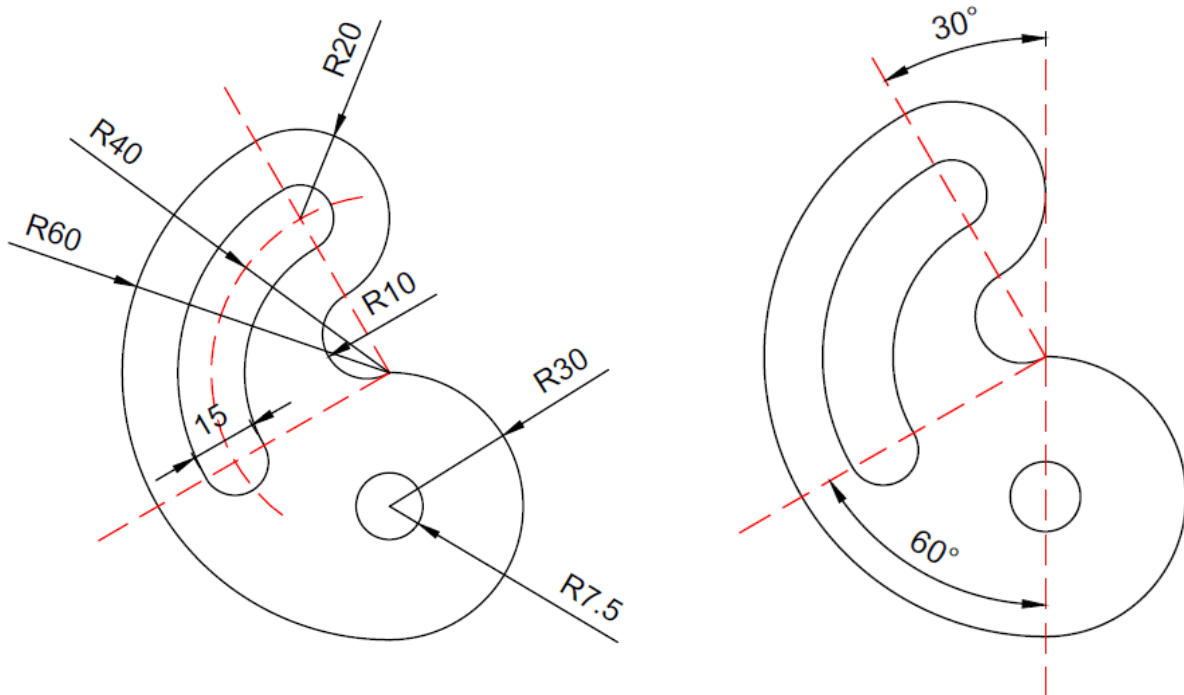
Here we have up to five images to clearly reveal the needed annotation.



2D Exercise 7

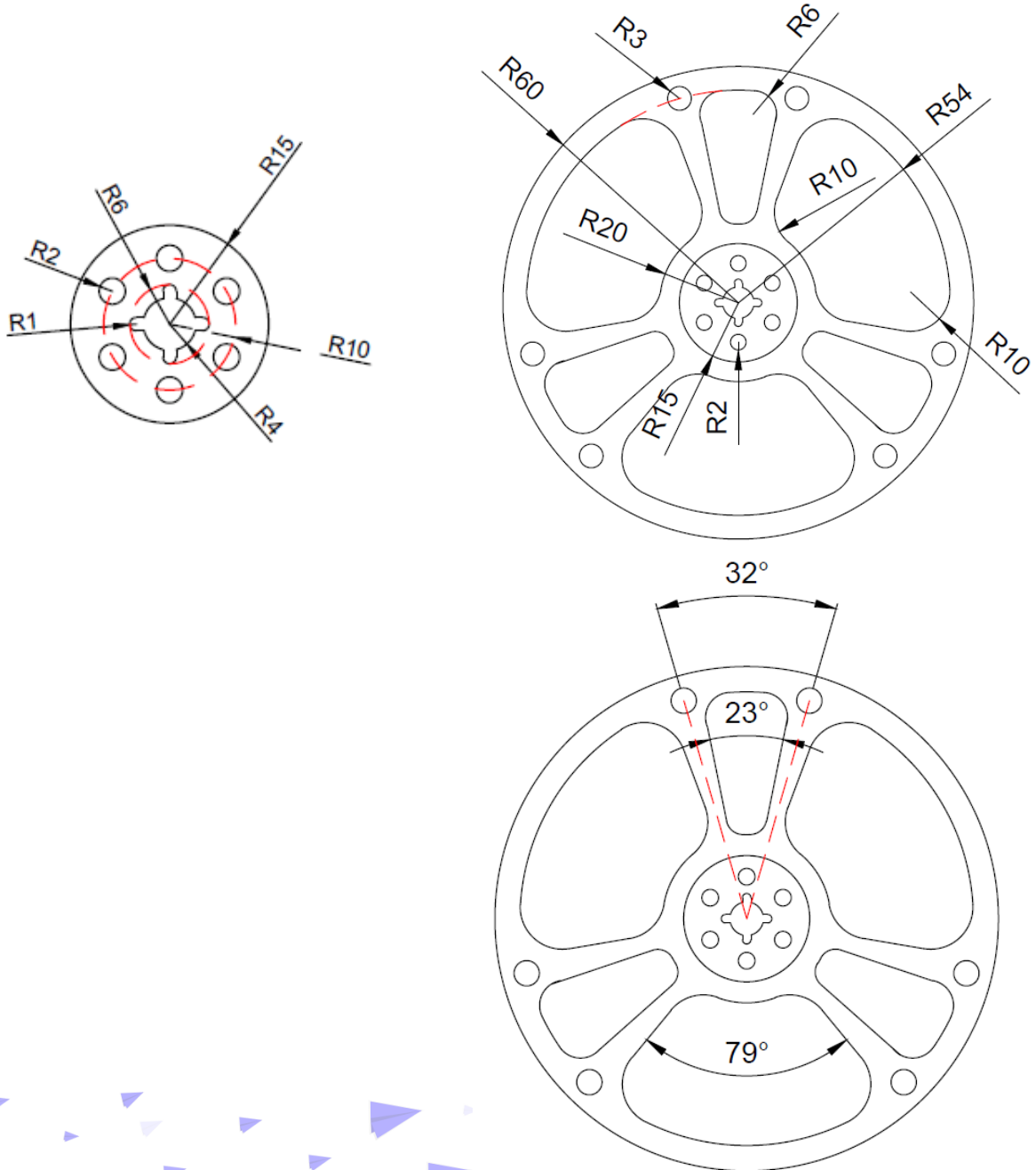


2D Exercise 8



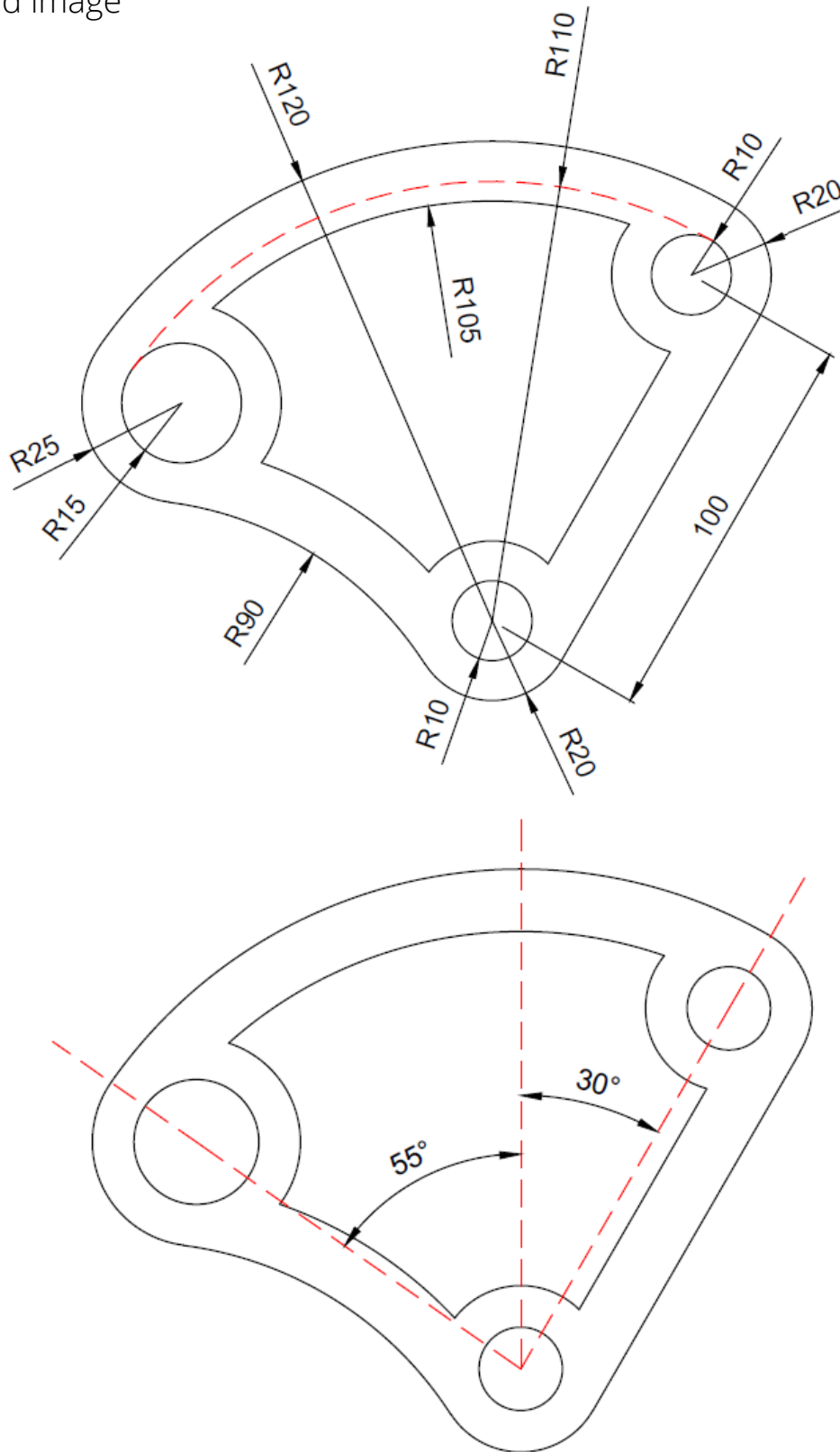
2D Exercise 9

The data related to the circle at the center of the wheel have been provided on the image on the left.

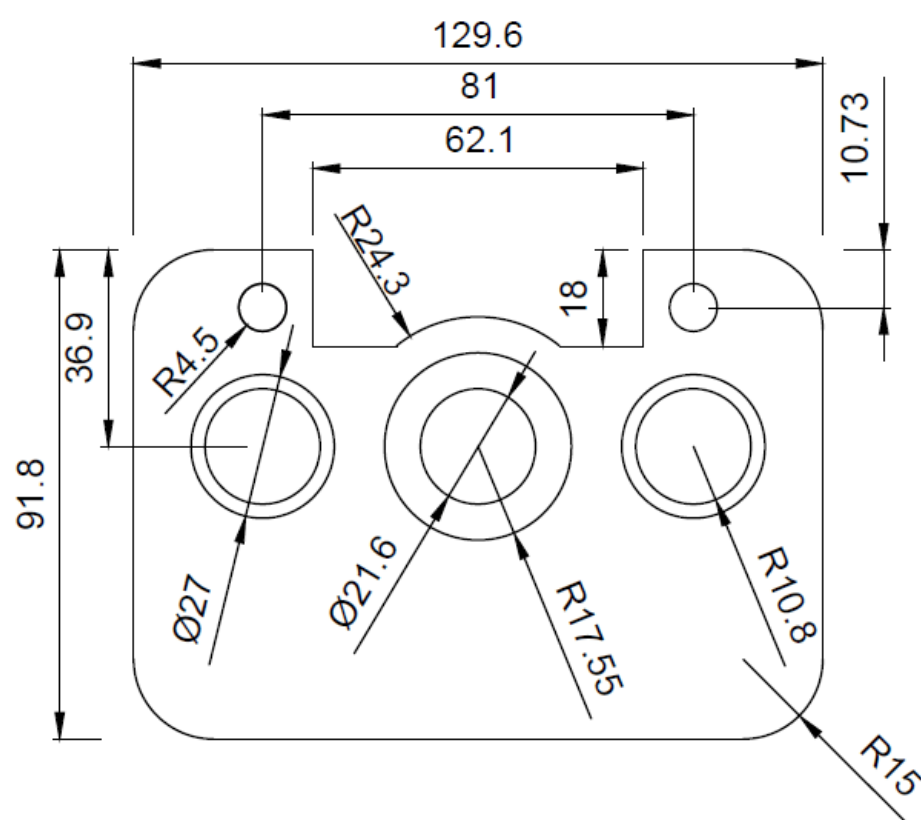


2D Exercise 10

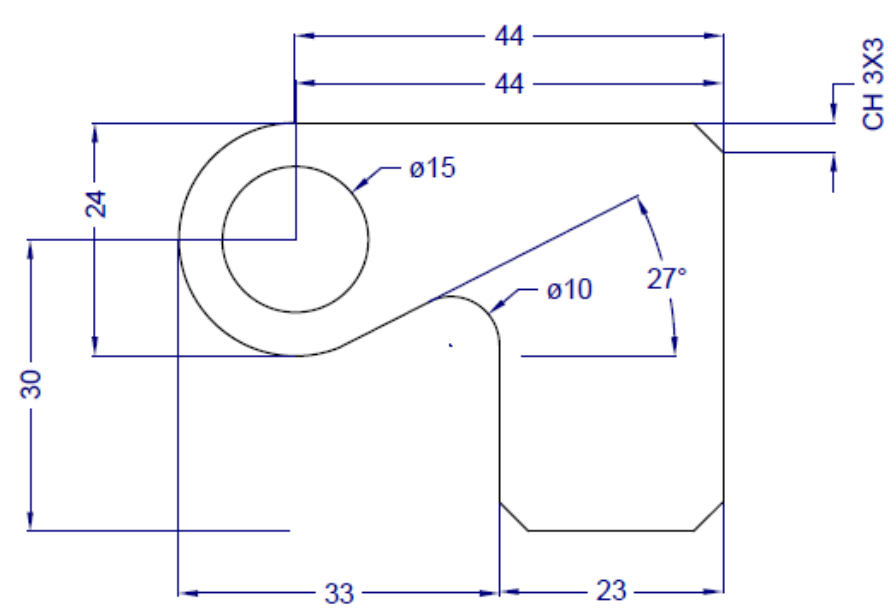
You can find the value of the angles between the centers of the circles in the second image



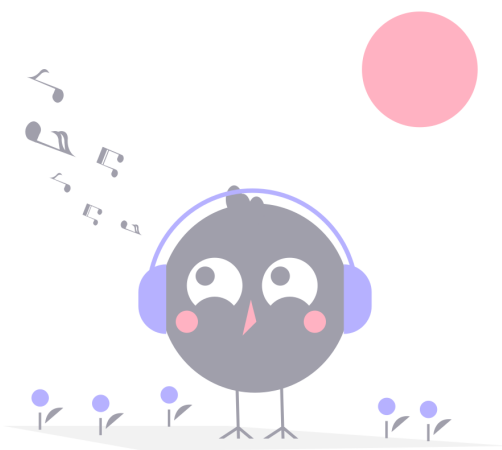
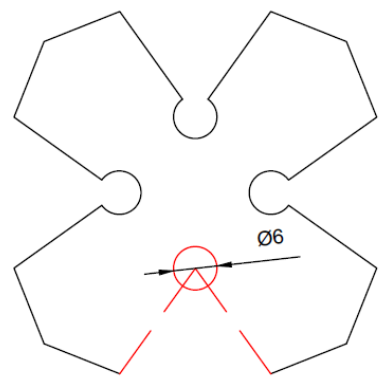
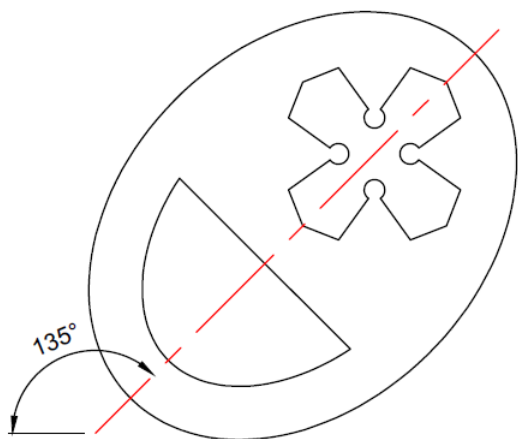
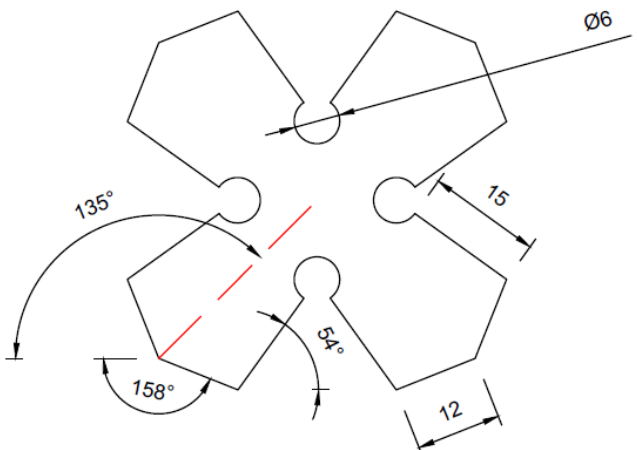
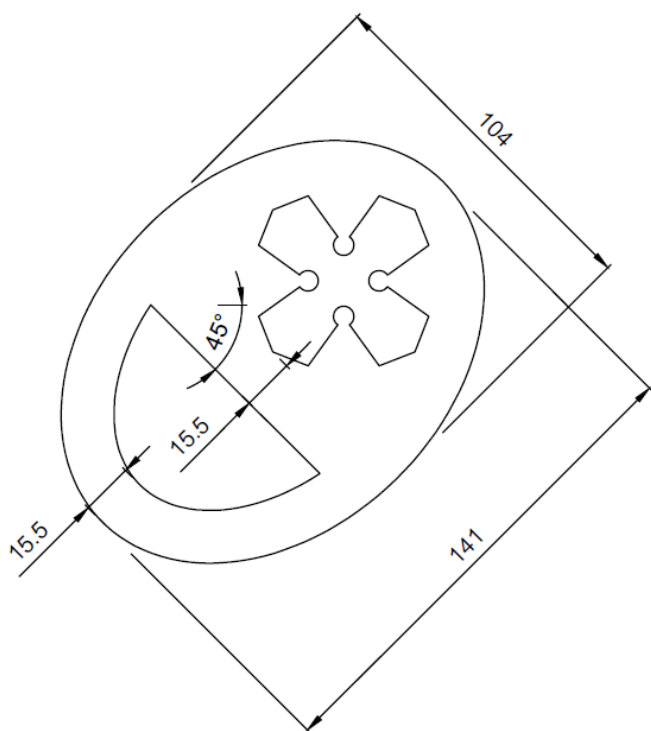
2D Exercise 11



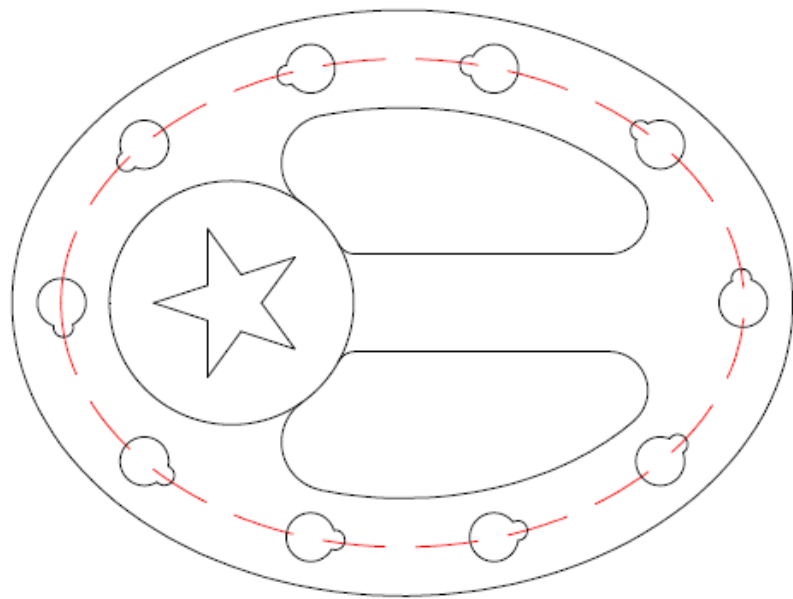
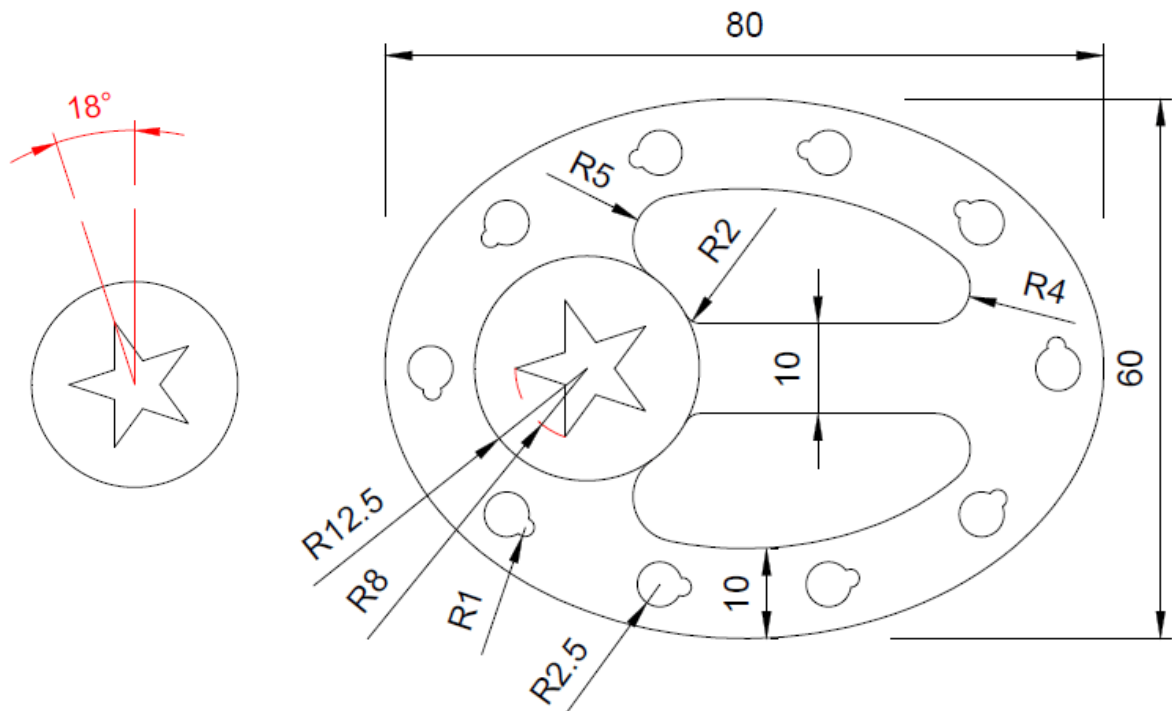
2D Exercise 12



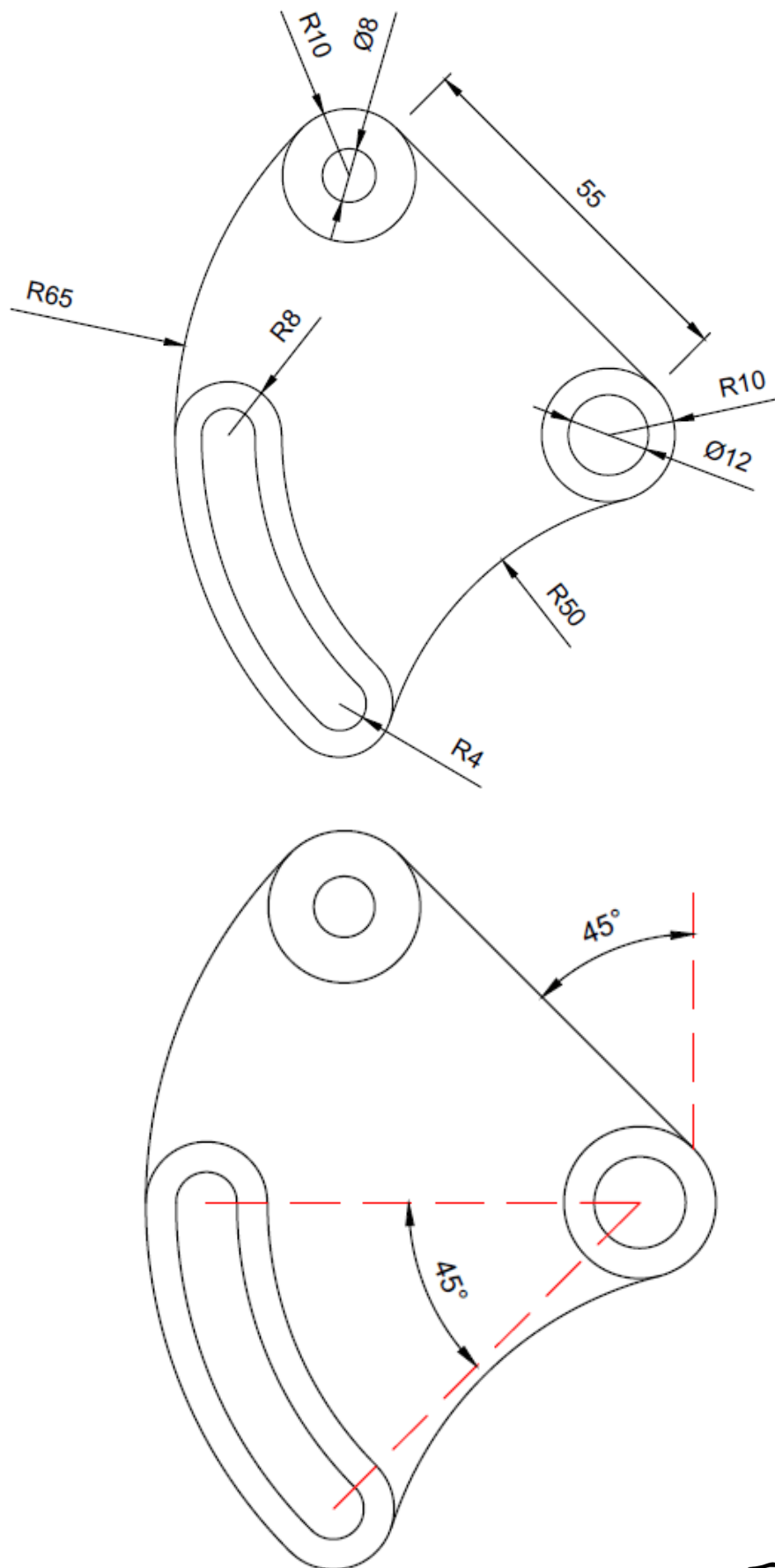
2D Exercise 13



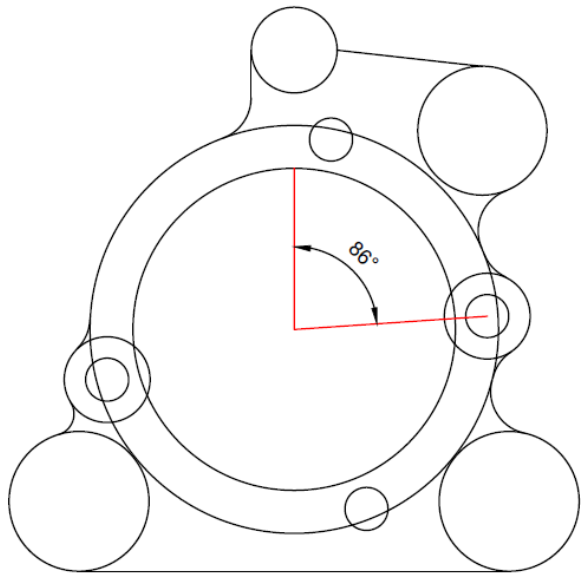
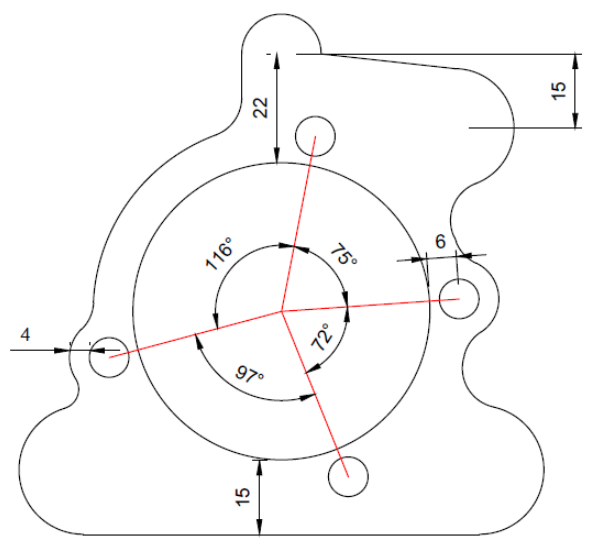
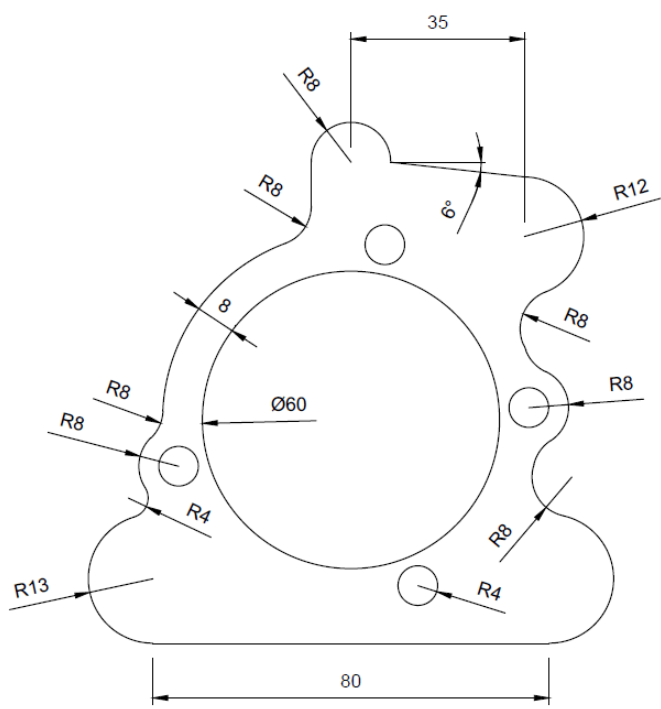
2D Exercise 14



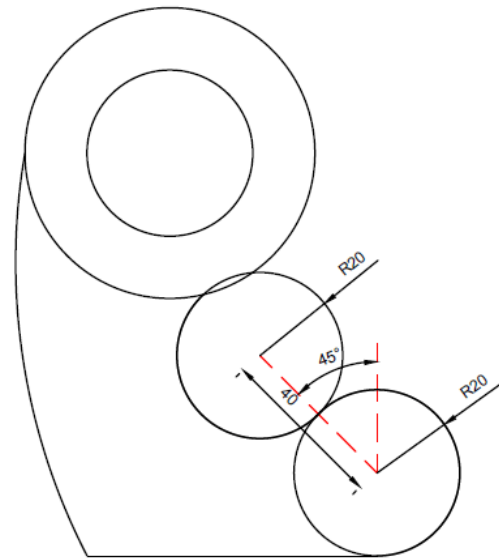
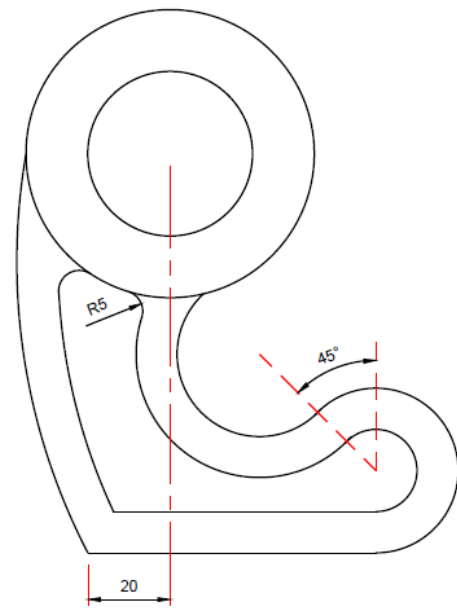
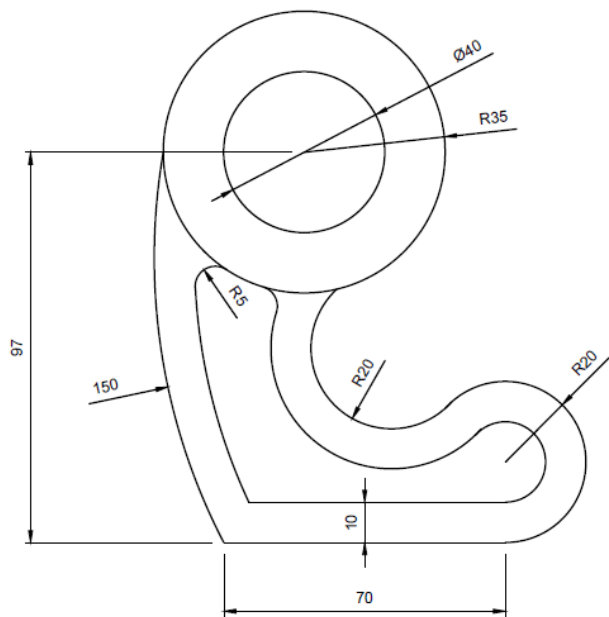
2D Exercise 15



2D Exercise 16

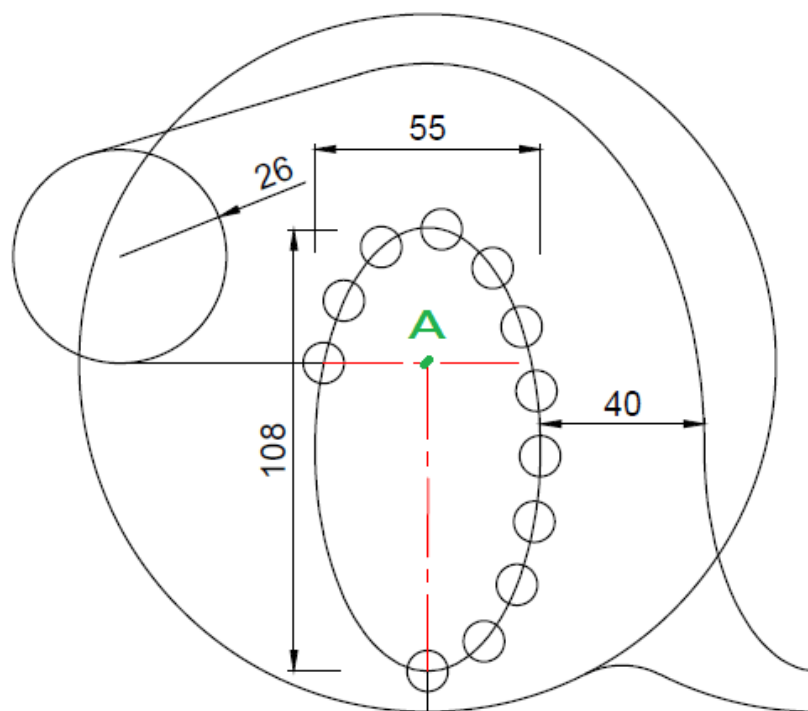
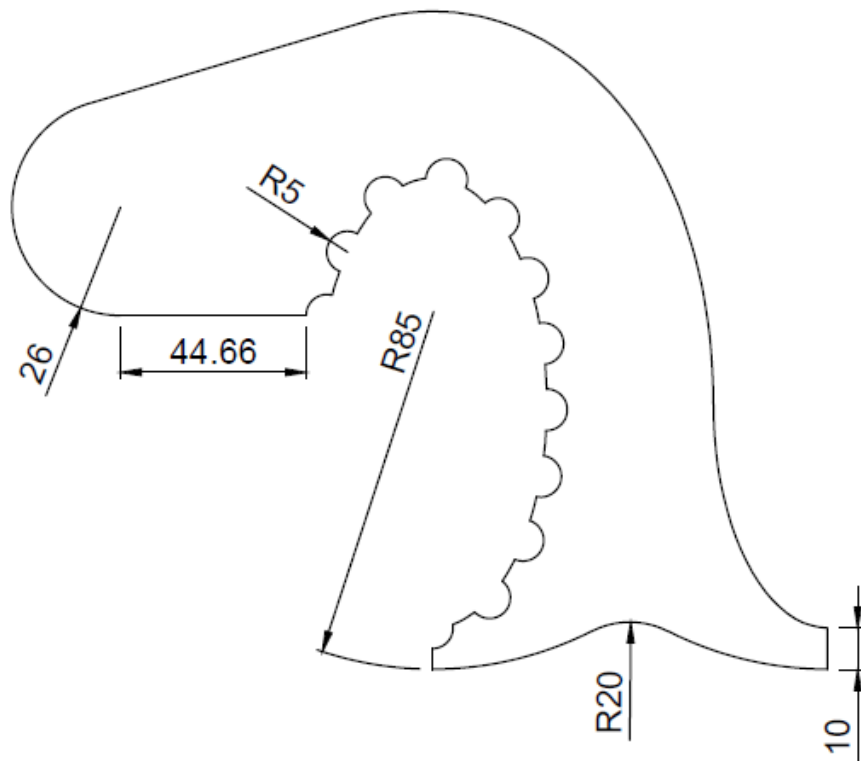


2D Exercise 17

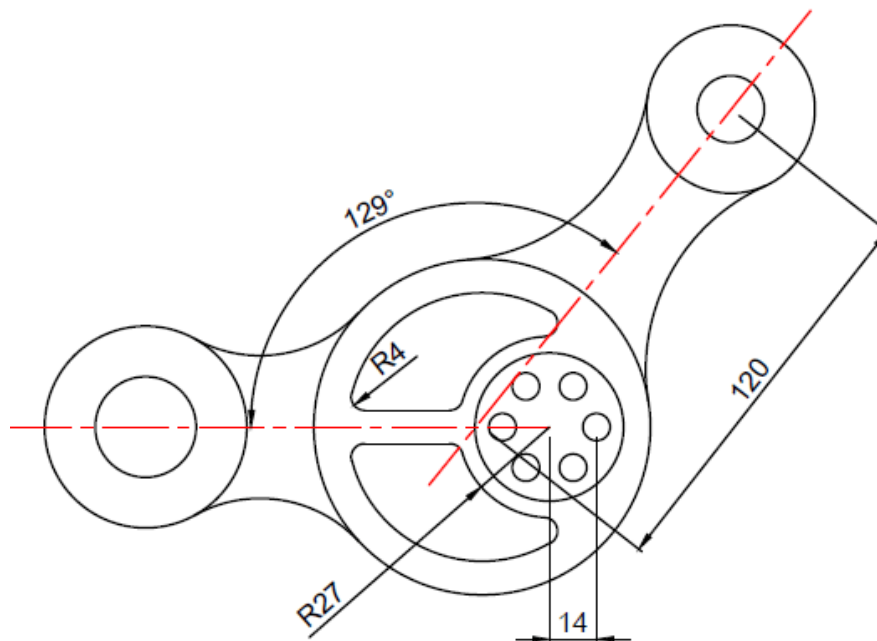
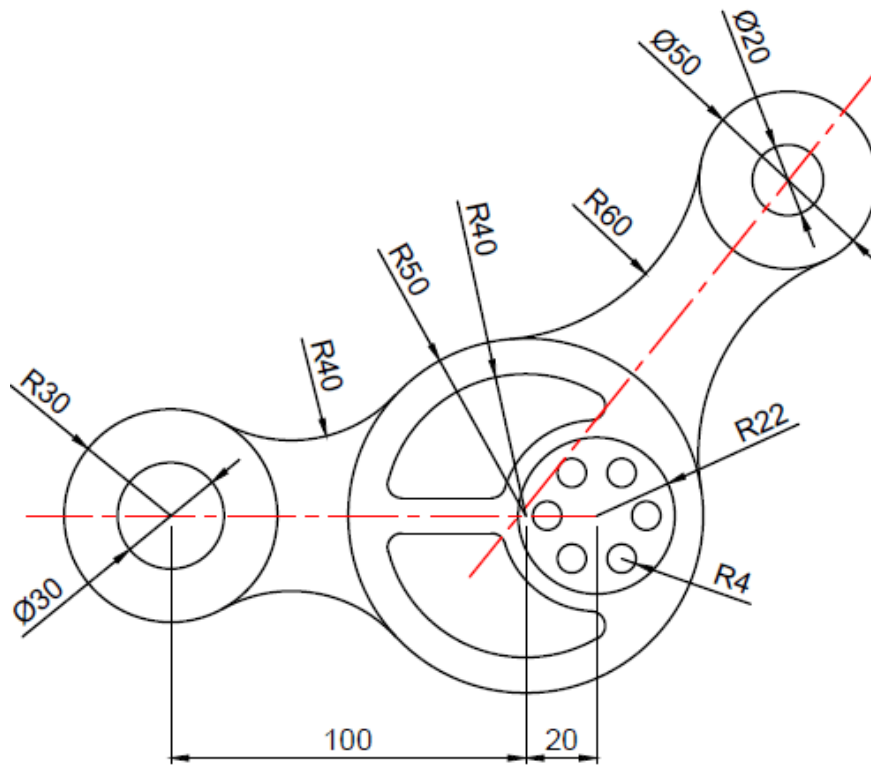


2D Exercise 18

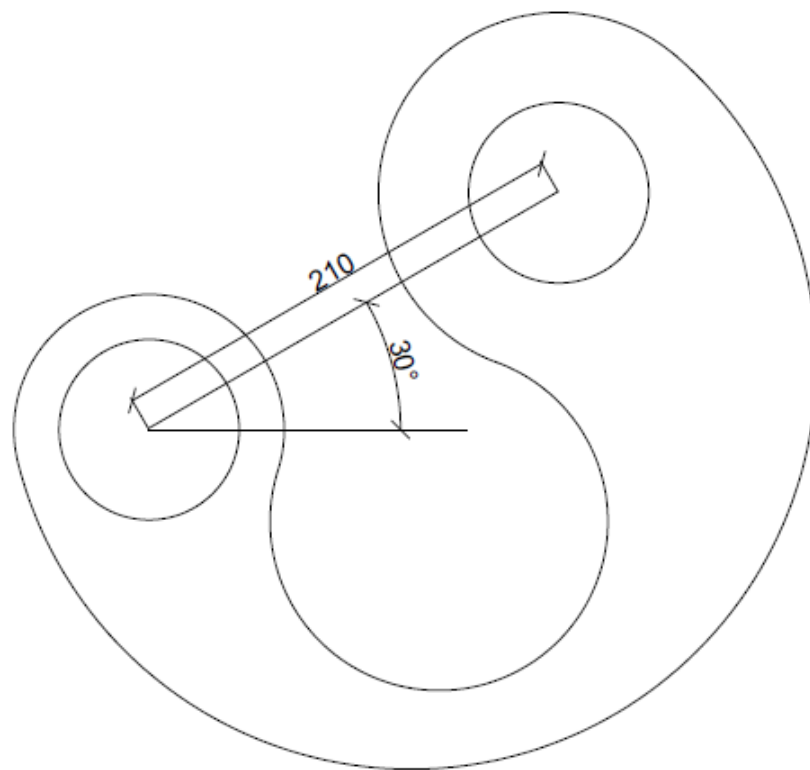
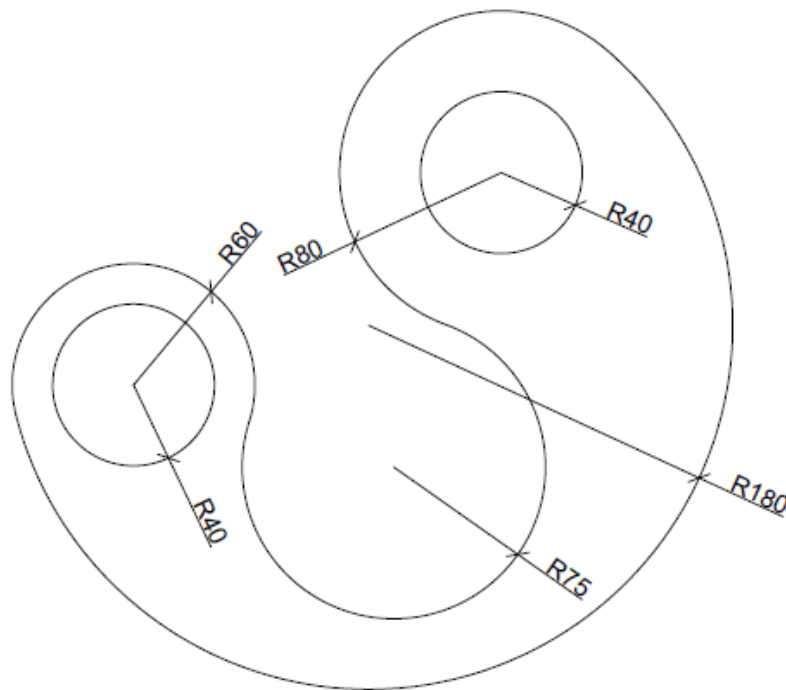
The exercise is the first image. The second image has been as a guide to help solve the exercise.



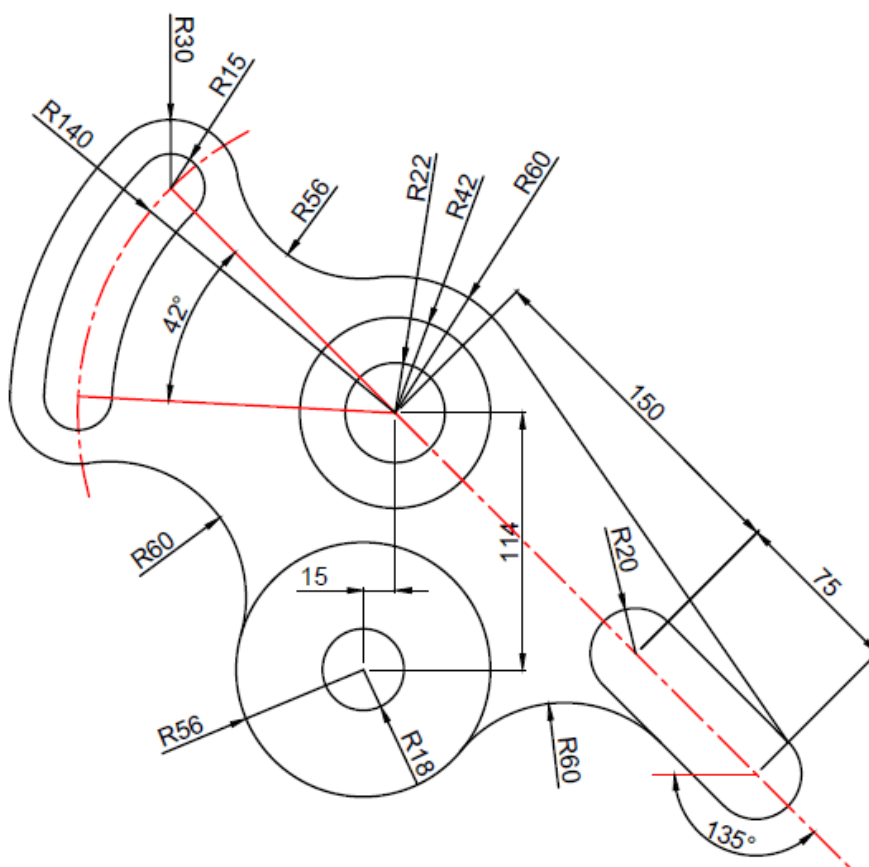
2D Exercise 19



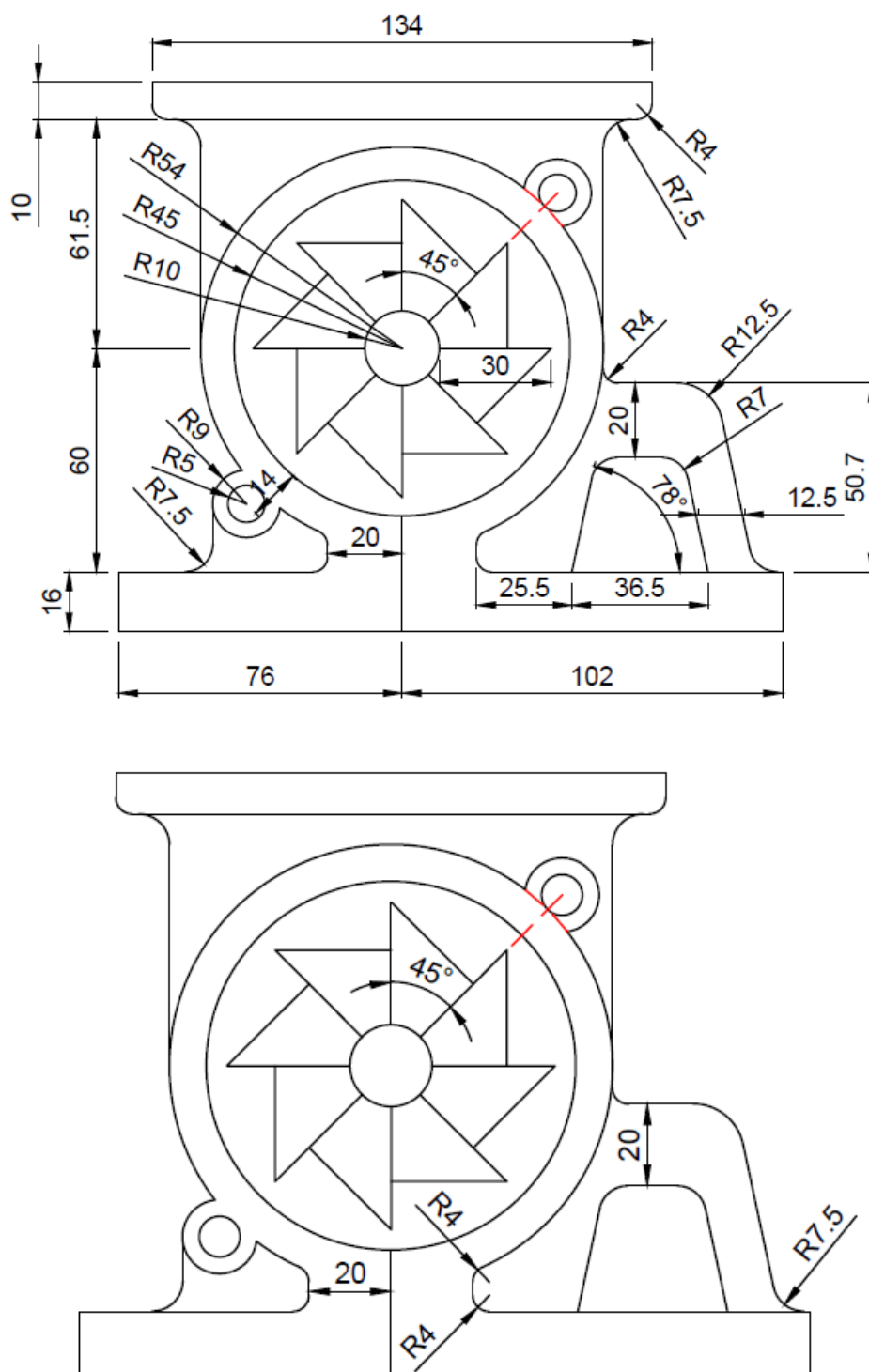
2D Exercise 20



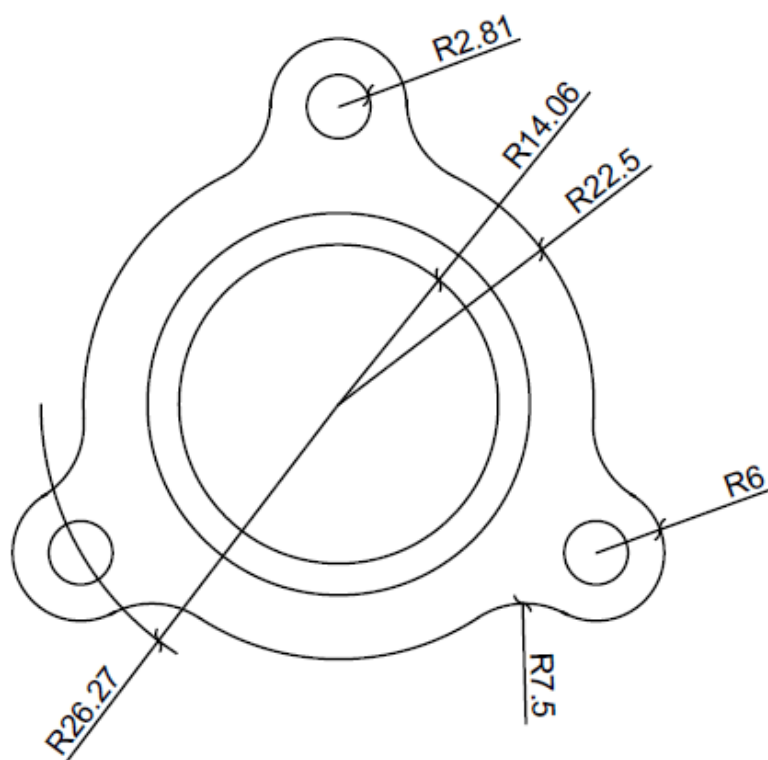
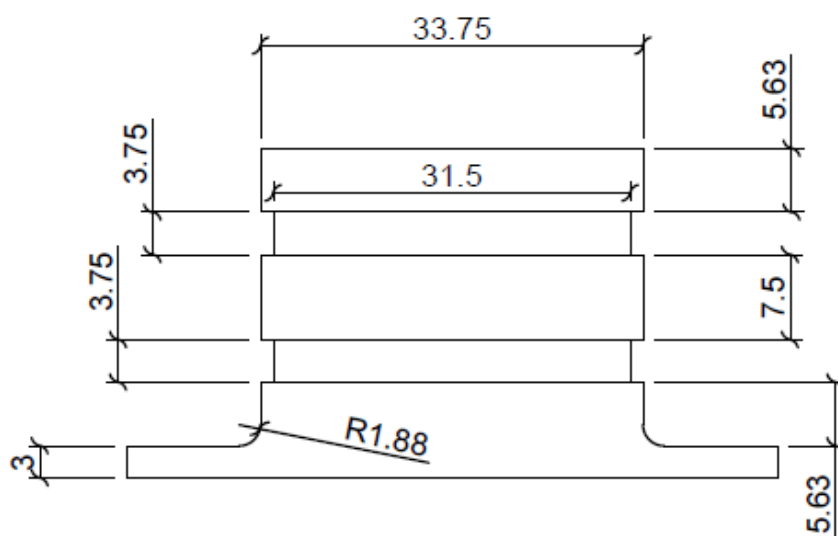
2D Exercise 21



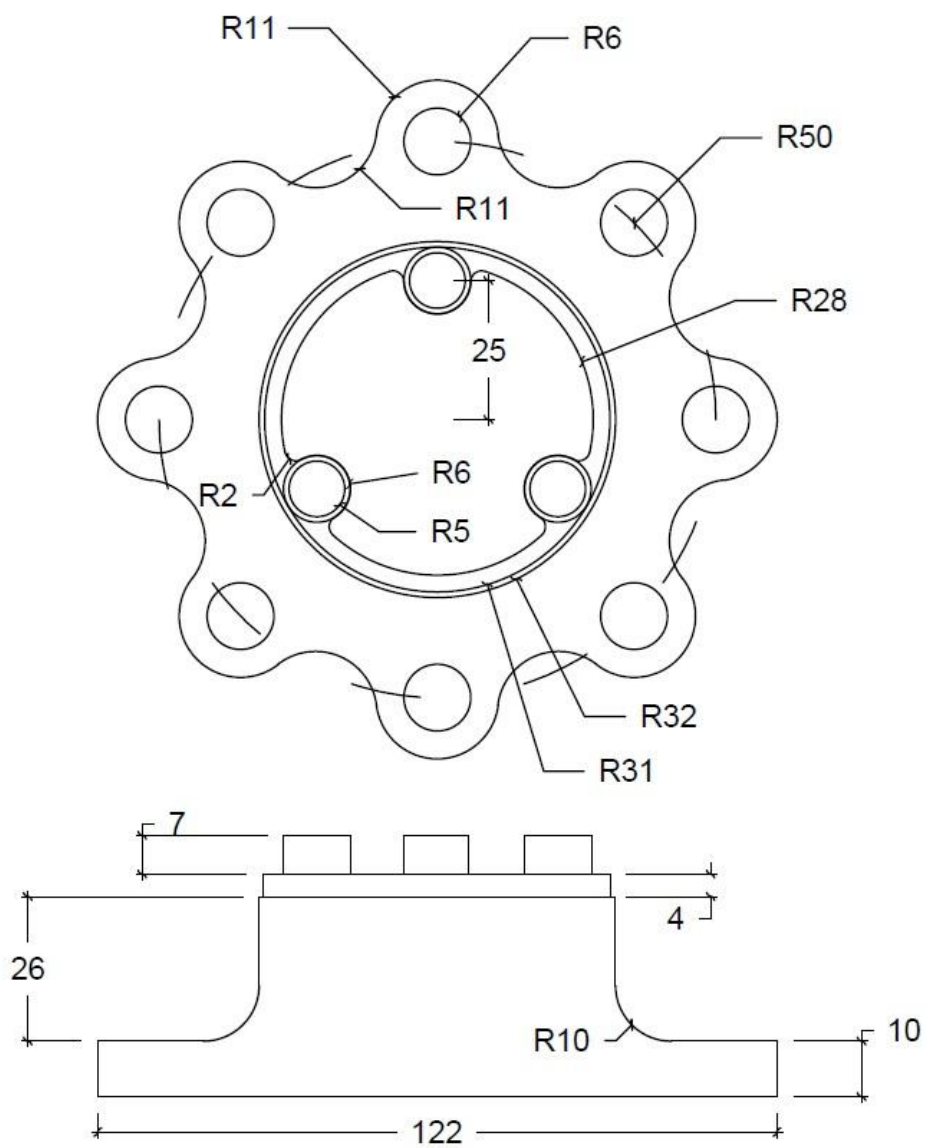
2D Exercise 22



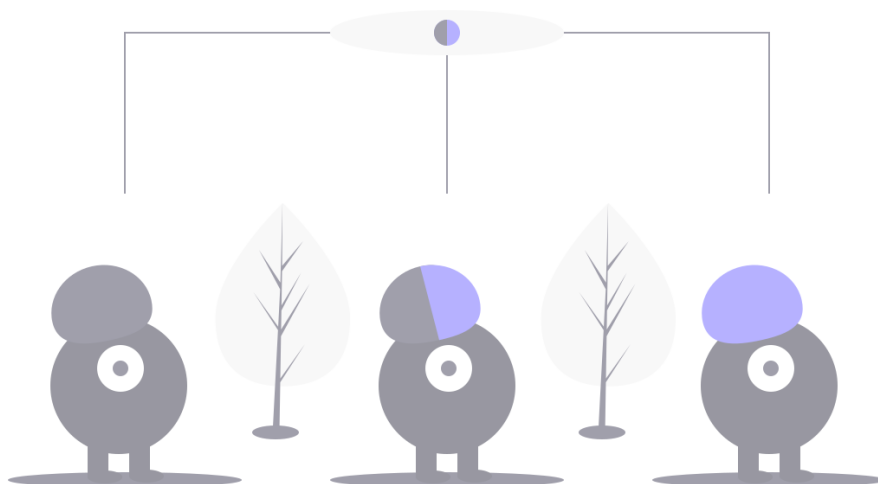
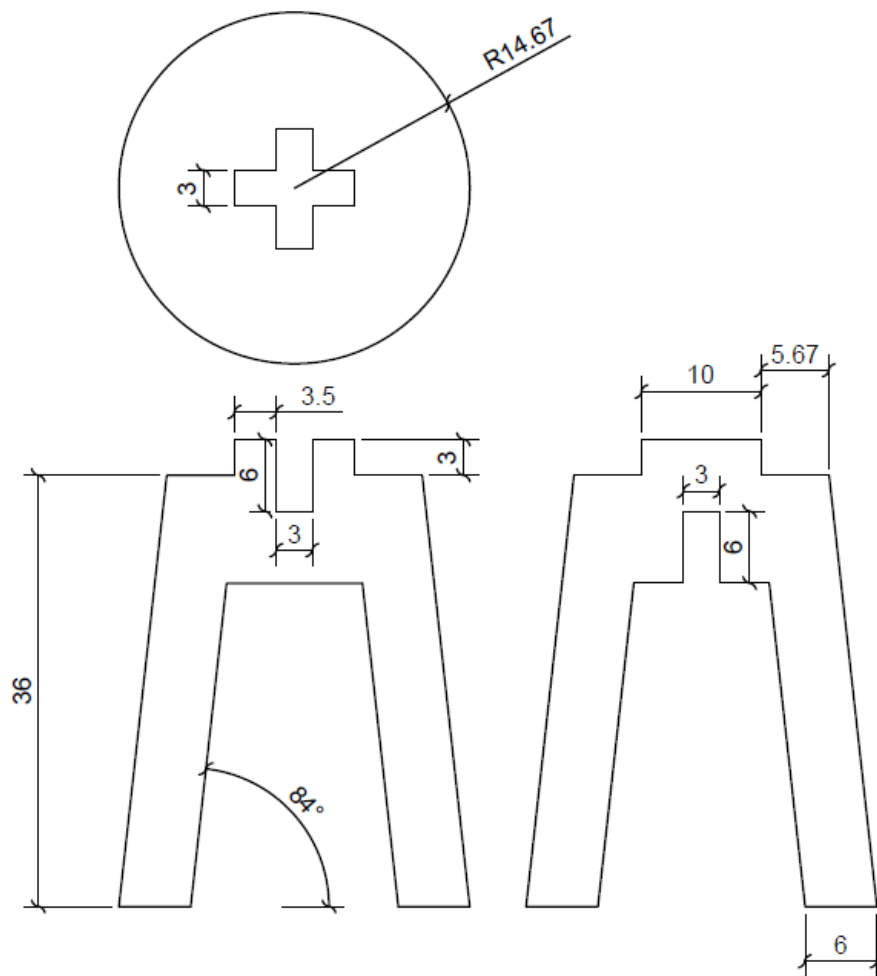
3D Exercise 1



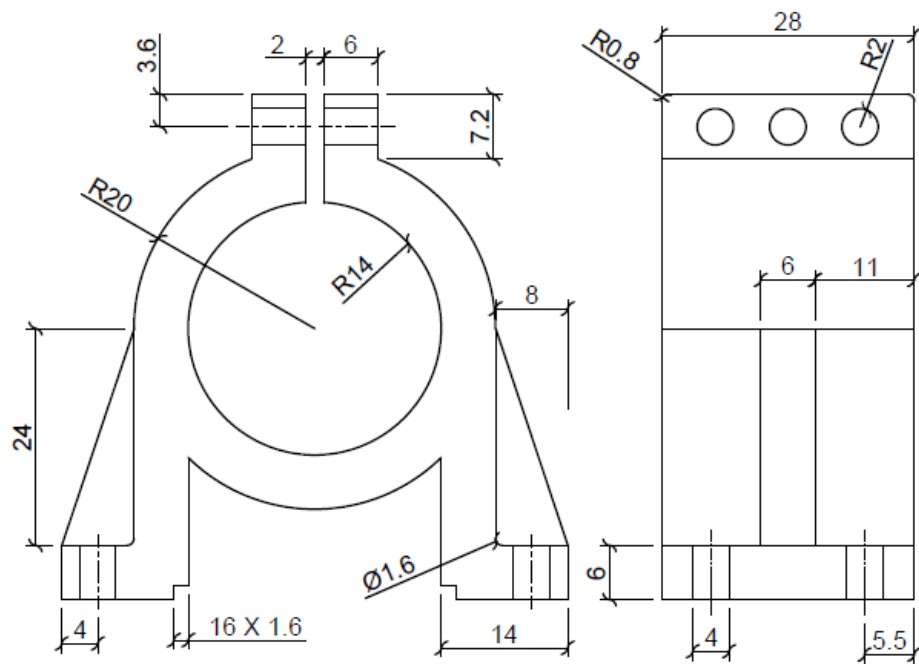
3D Exercise 2



3D Exercise 3



3D Exercise 4



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