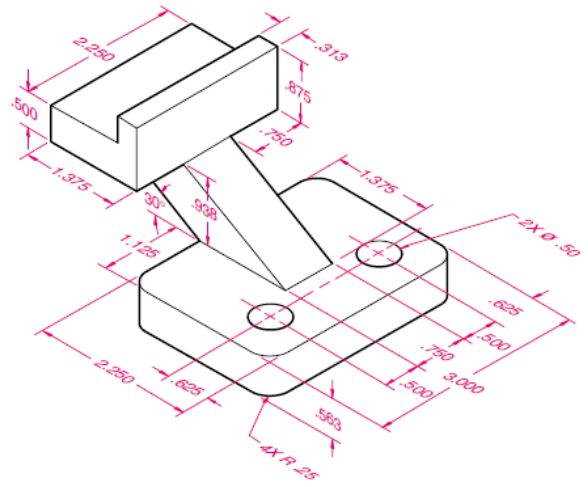
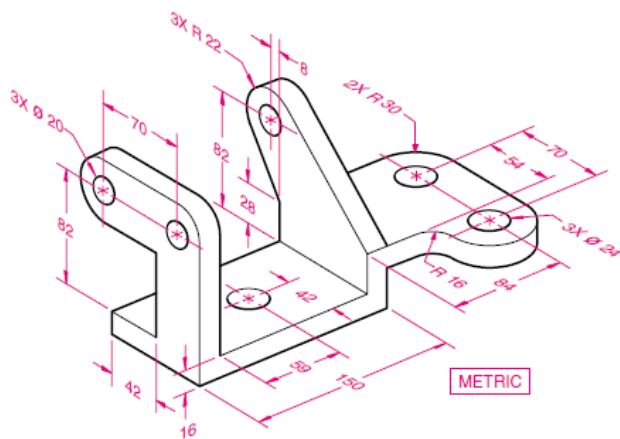
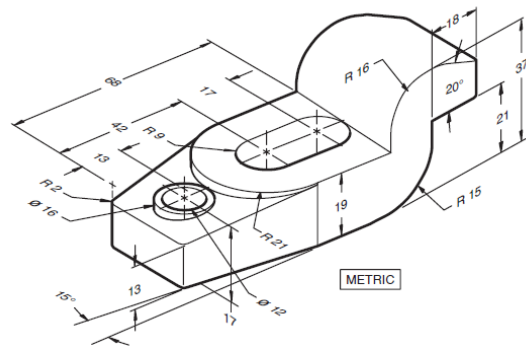
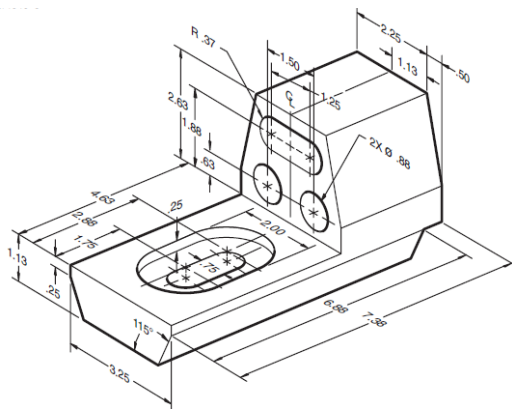


## Constructive Solid Geometry Concepts

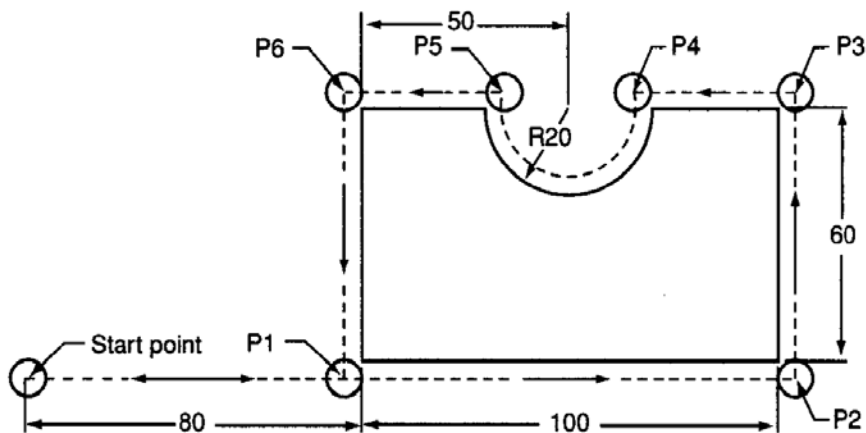


## Basic Modeling

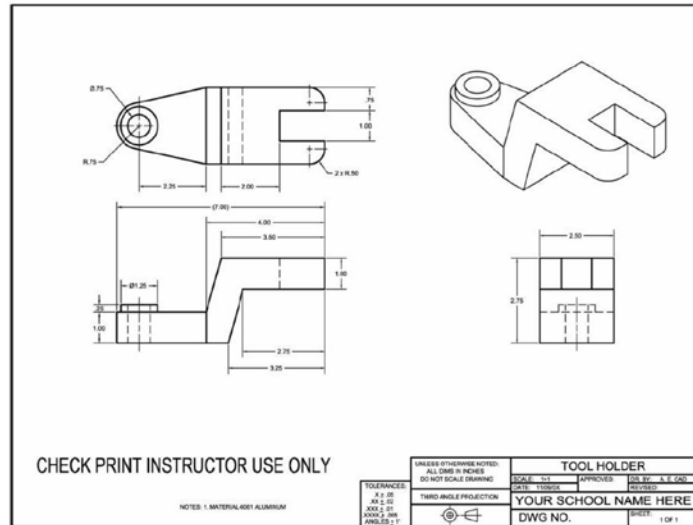
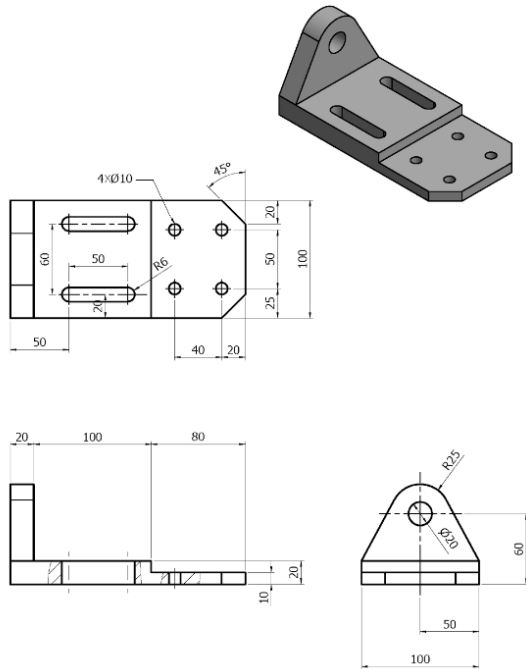


### CNC Manufacturing:

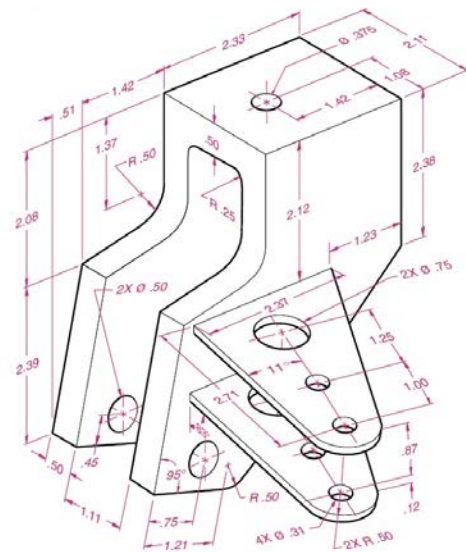
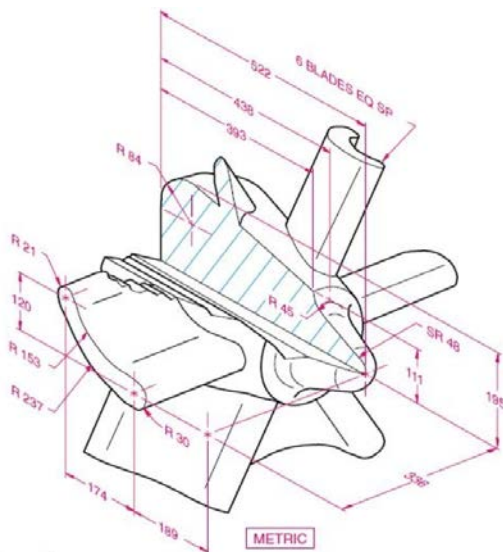
*Create a G-Code for the following part :*



### Part Drawings:

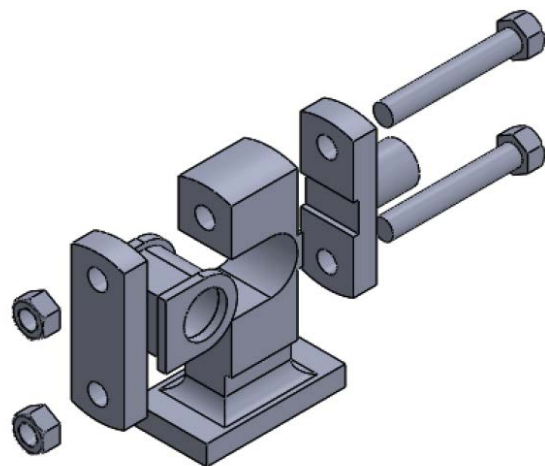


## Advanced Modeling

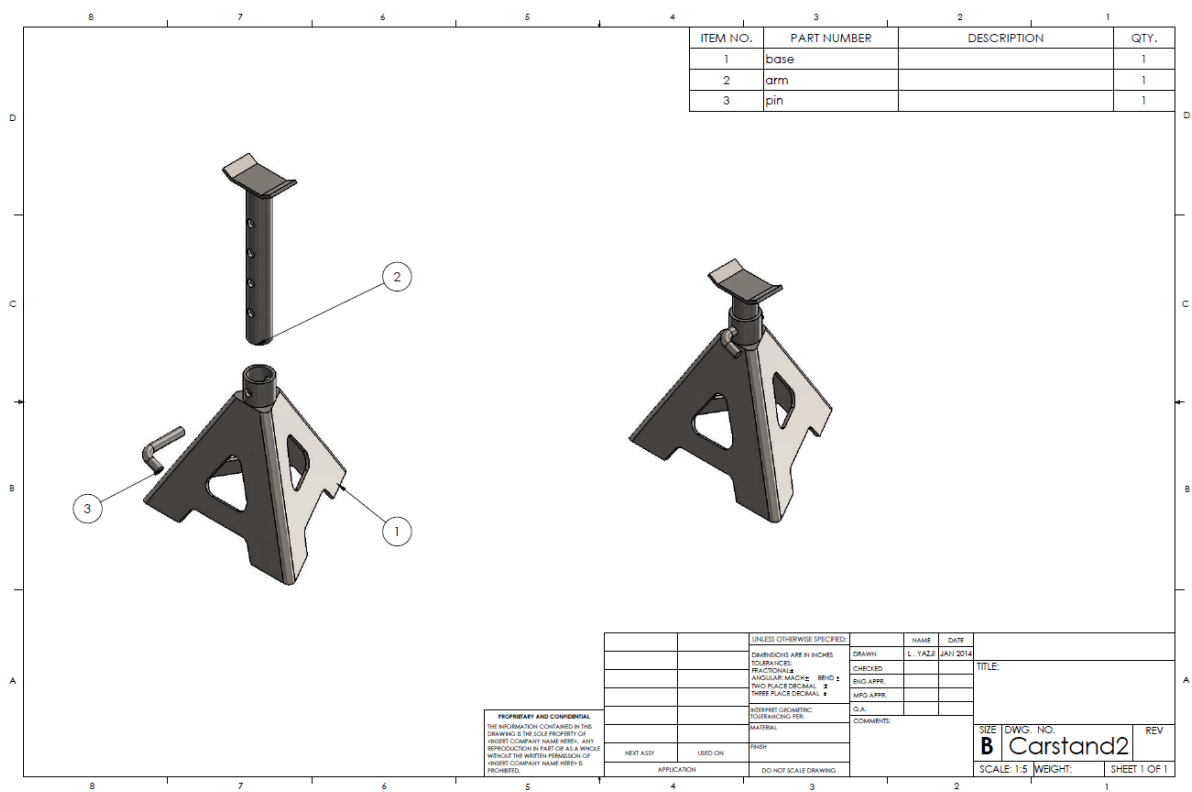


Assembly Modeling

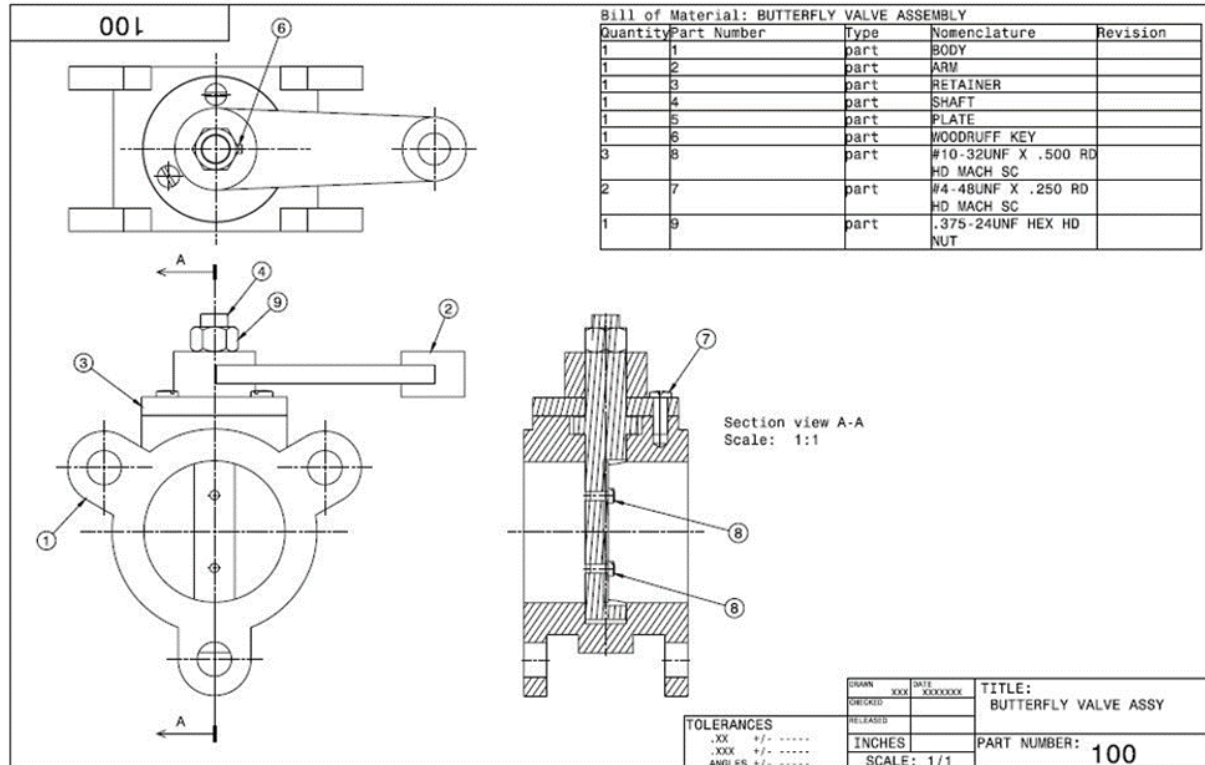
Create all components of the Crosshead assembly and then assemble them, as shown in the following figure. The exploded view of the assembly is shown in here. The dimension of the components will be provided.



Create the assembly drawing for the car stand as shown.

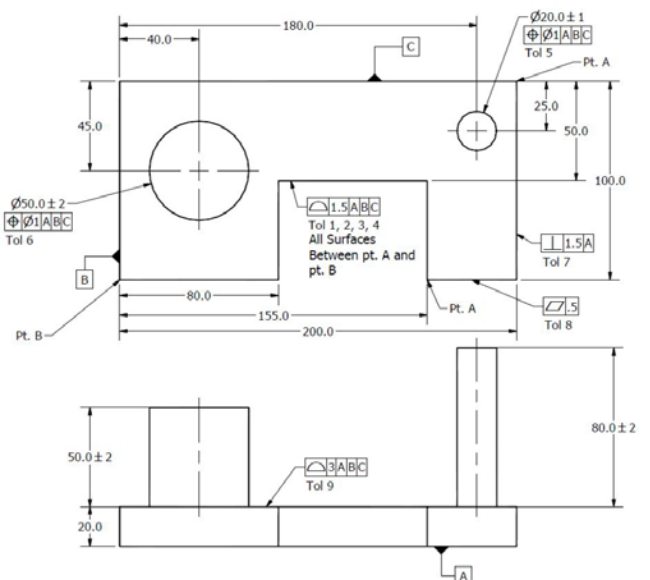


### Working Drawings:



## **Geometric Dimensioning and Tolerancing:**

- **Create the model in SolidWorks then create a drawing as shown below.**
- **Fully dimension your drawing and all the views in it.**
- **Apply the GD&T symbols in your drawing.**



For the given solid model, create the drawing:

