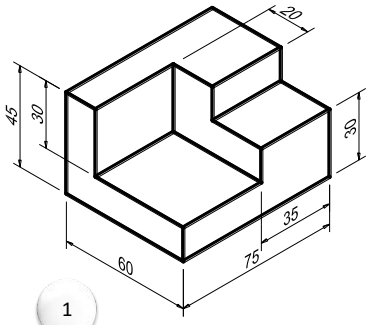
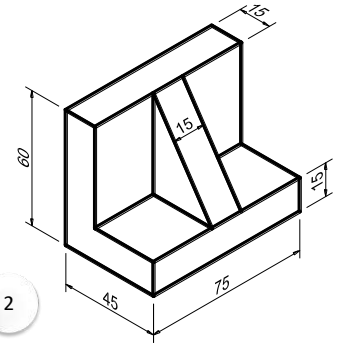
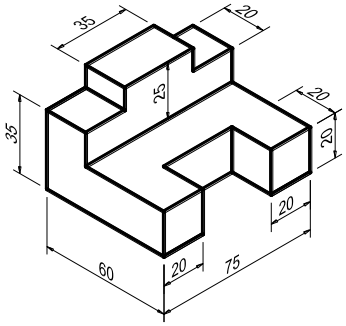
Q1-Q5:
Draw for the Figure :
1-Front View
2- Side View
3-Top View



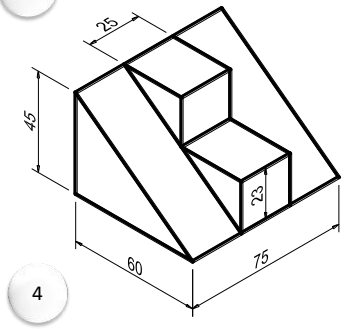
1



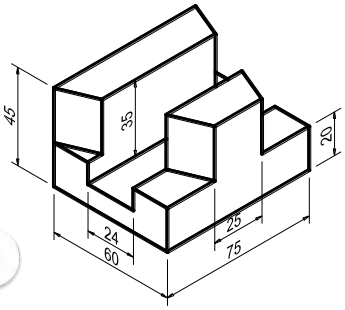
2



3

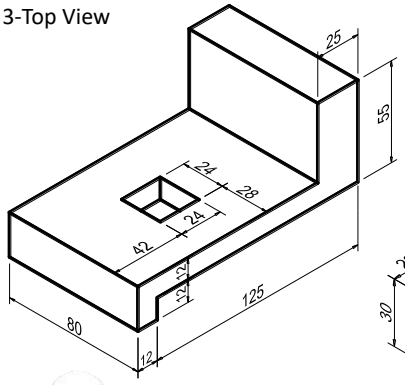


4

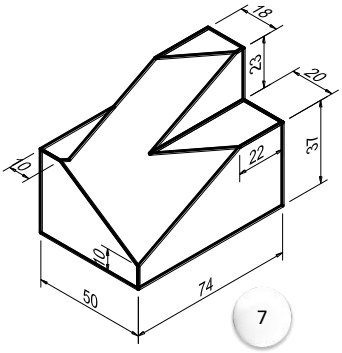


5

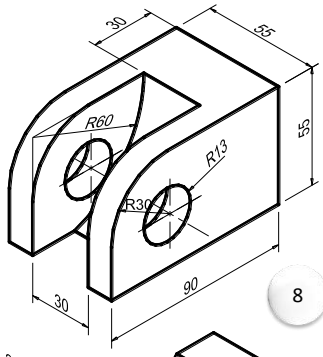
Q6-Q10:
Draw for the Figure :
1-Front View
2- Side View
3-Top View



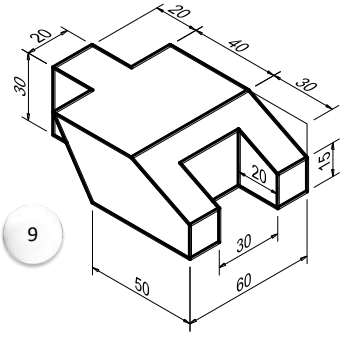
6



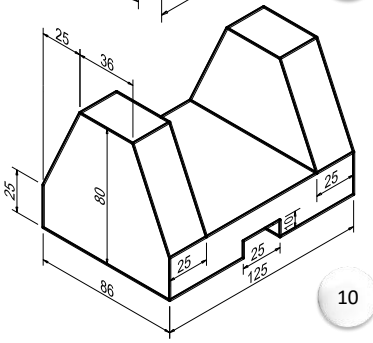
7



8

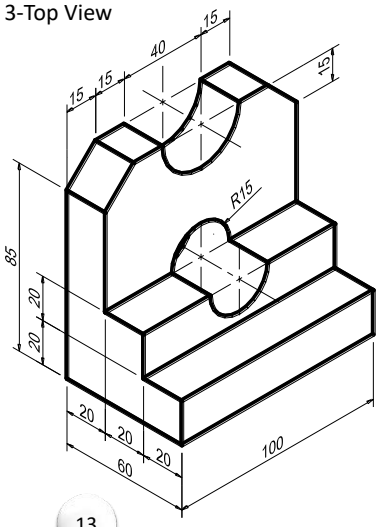


9

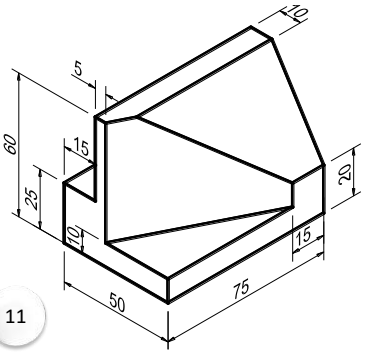


10

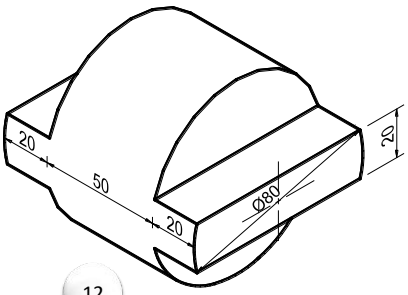
Q11-Q15:
Draw for the Figure :
1-Front View
2- Side View
3-Top View



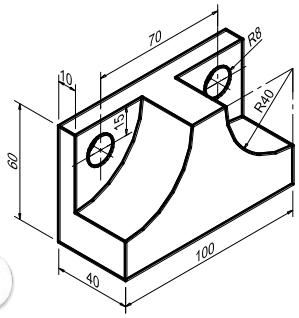
13



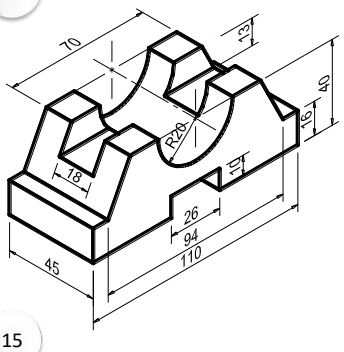
11



12

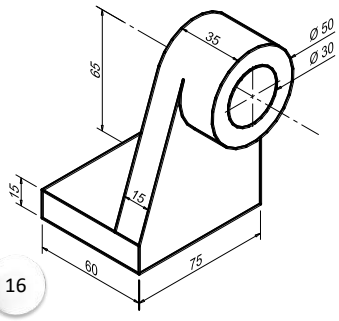


14

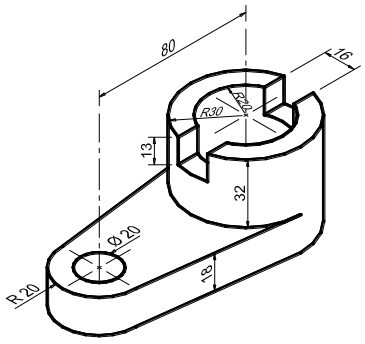


15

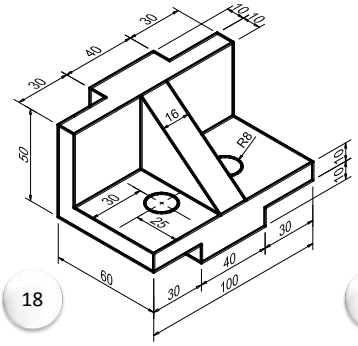
Q16-Q20:
Draw for the Figure :
1-Front View
2- Side View
3-Top View



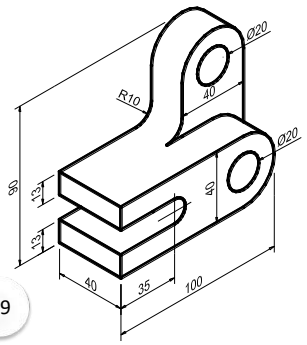
16



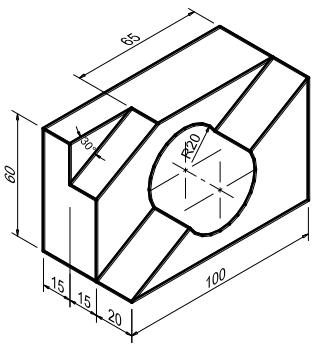
17



18



19



20

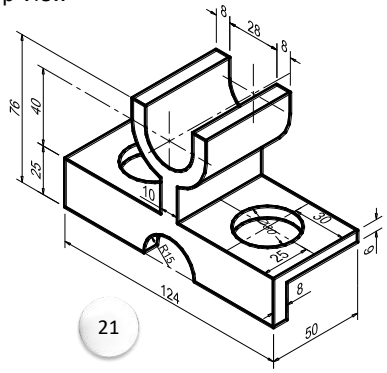
Q21-Q23:

Draw for the Figure :

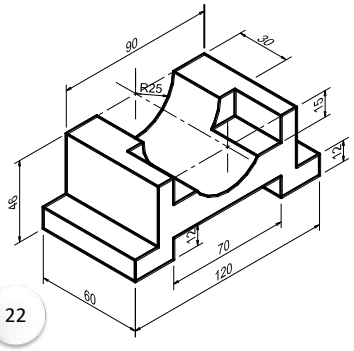
1-Front View

2- Side View

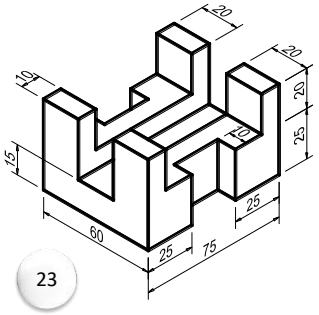
3-Top View



21



22

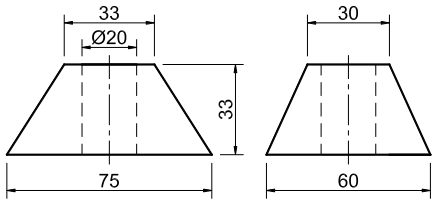


23

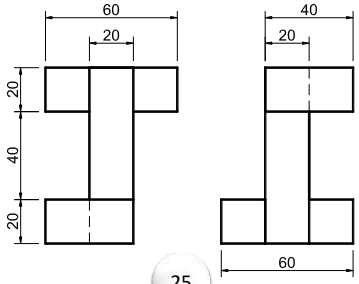
Q24-Q26:

For the Views shown

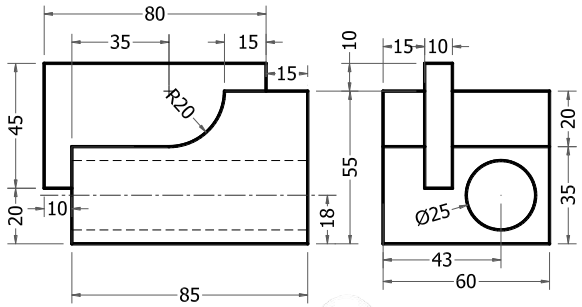
- Draw the ISOMETRIC Drawing



24

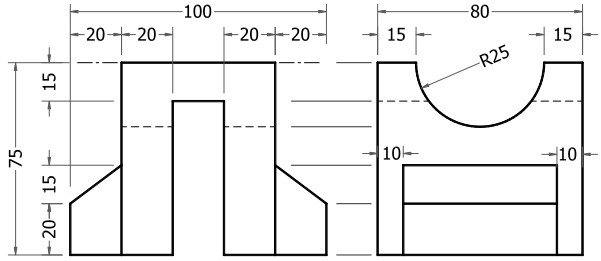


25

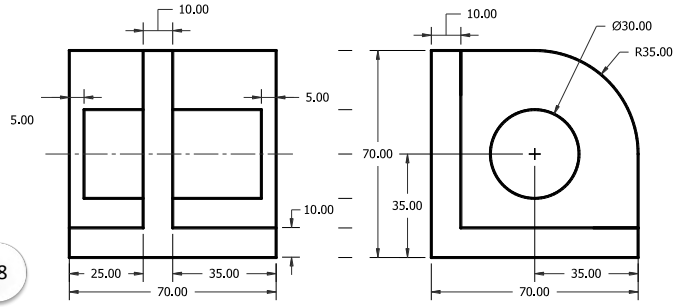


26

Q27-Q28:
For the Views shown
- Draw the ISOMETRIC Drawing

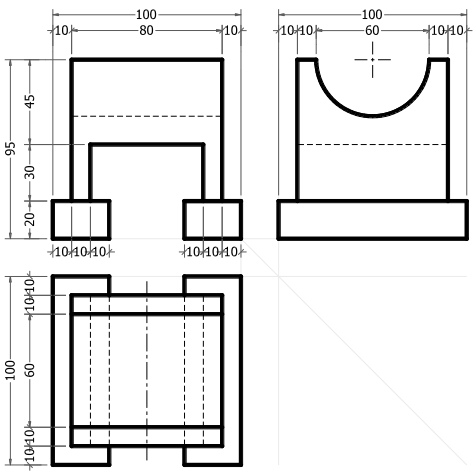


27

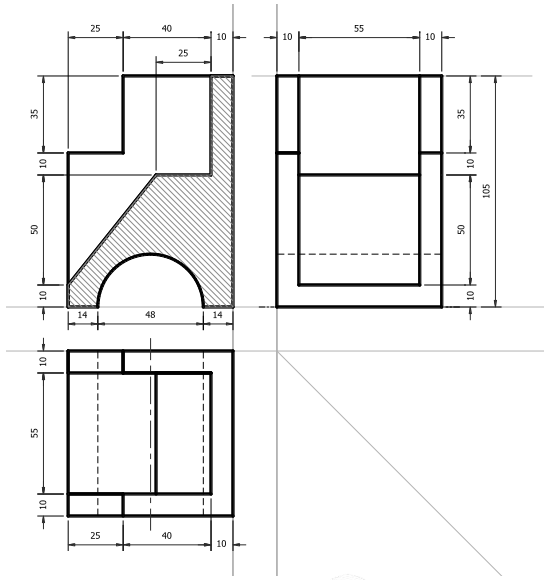


28

Q29-Q30:
For the Views shown
- Draw the ISOMETRIC Drawing



29

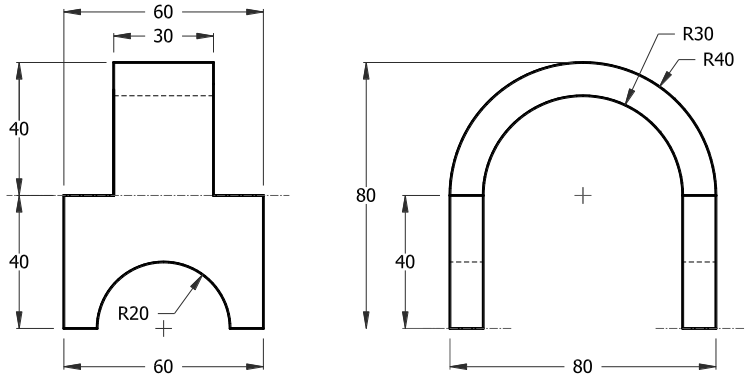


30

Q31:

For the Views shown

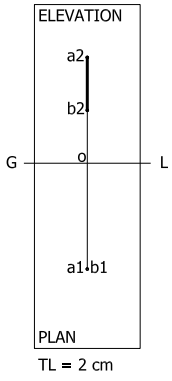
- Draw the ISOMETRIC Drawing



31

Q32:

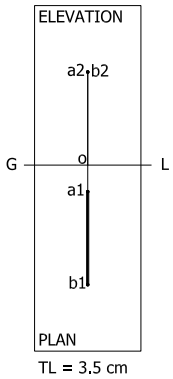
Draw the plan and elevation of Line AB, Line AB is Perpendicular to Horizontal Plane and find the true length of Line AB , A (4 , 4) and B (4 , 2) , Note: Values are in (cm).



TL = 2 cm

Q33:

Draw the plan and elevation of Line AB, Line AB is Perpendicular to Vertical Plane and find the true length of Line AB , A (1 , 3.5) and B (4.5 , 3.5) , Note: Values are in (cm).

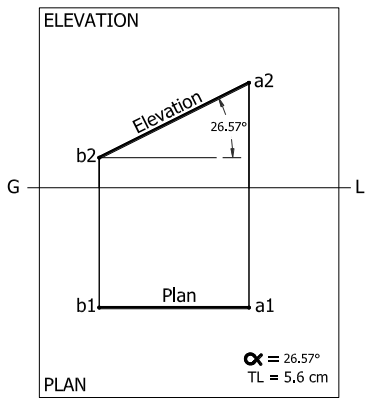


TL = 3.5 cm

Q34:

Line AB is parallel to the vertical Plane, A (4 , 3.5) and B (4 , 1) and B is left of A and distance between the projectors = 5 cm , Note: the values are in (cm).

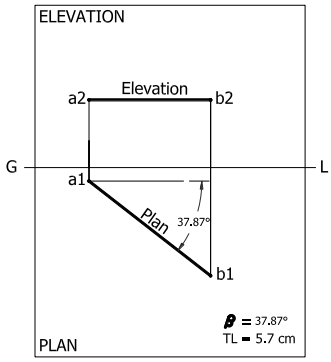
1- Draw the Plan and Elevation of Line AB.
2- Find the inclination of line AB with the Horizontal plane.
3- Find the true length of Line AB.



Q35:

Line AB is parallel to the Horizontal Plane, A (0.5 , 2.5) and B (4 , 2.5) and A is left of B and distance between the projectors = 4.5 cm , Note: the values are in (cm).

1- Draw the Plan and Elevation of Line AB.
2- Find the inclination of line AB with the Horizontal plane.
3- Find the true length of Line AB.

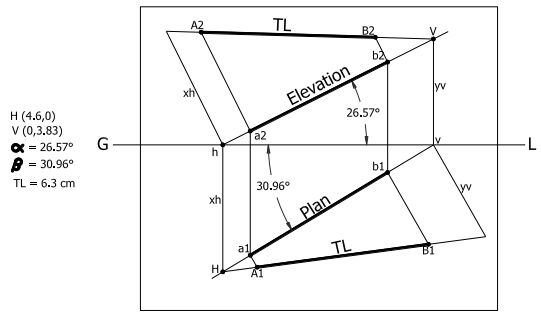


Q36:

The straight line AB is placed such that :
A (4 , 0.5), B (1 , 3) and B is Right of A and distance between projectors = 5.0 :

1- Draw the plan and elevation of AB
2- Find the horizontal and vertical traces of AB
3- Find the inclination angle of line AB with horizontal and vertical plane .
4- Find the true length of the line AB

Note: Values are in (cm)

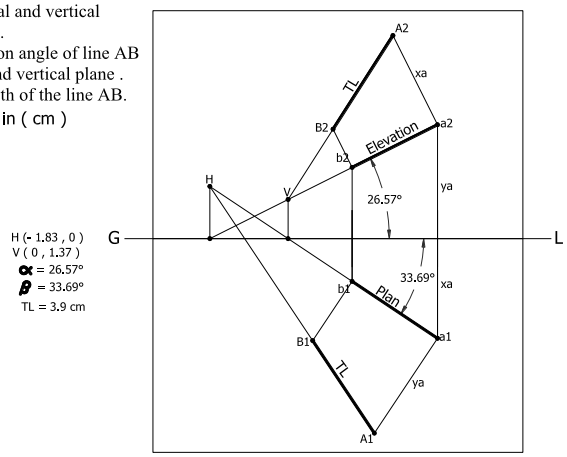


Q37:

The straight line AB is placed such that :
A (3.5 , 4), B (1.5 , 2.5) and A is Right of B and distance between projectors = 3.0 :

1- Draw the plan and elevation of AB.
2- Find the horizontal and vertical traces of Line AB.
3- Find the inclination angle of line AB with horizontal and vertical plane .
4- Find the true length of the line AB.

Note: Values are in (cm)

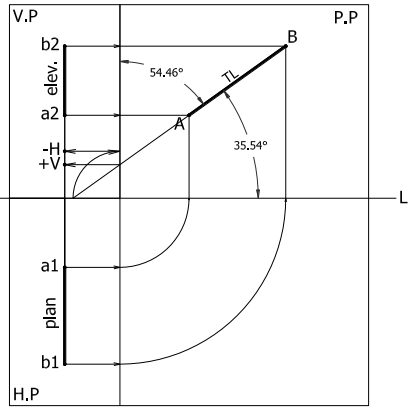


H (- 1.83 , 0)
V (0 , 1.37)
α = 26.57°
β = 33.69°
TL = 3.9 cm

Q38:

For the Frontal straight line AB : A (2.5 , 3), B (6 , 5.5)

1- Draw the plan and elevation of AB.
2- Find the horizontal and vertical traces of Line AB.
3- Find the inclination angle of line AB with horizontal and vertical plane .
4- Find the true length of the line AB.

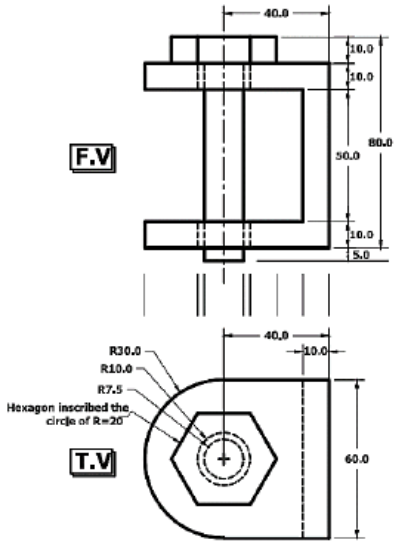


H (- 1.7 , 0)
V (0 , 1.2)
α = 35.54°
β = 54.46°
TL = 4.3 cm

Q39:

For the Views shown

- Draw the ISOMETRIC Drawing



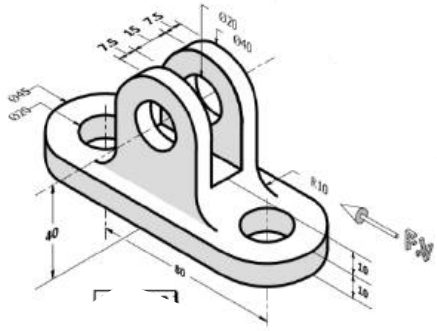
Q40:

Draw for the Figure :

1-Half Sectional Front View

2- Half Sectional Side View

3-Top View



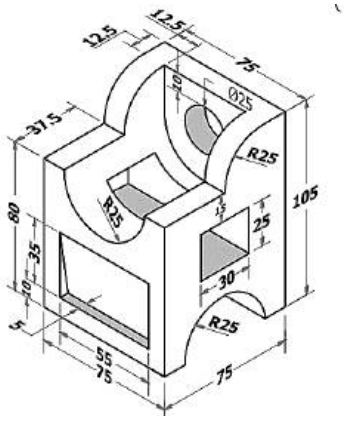
Q41:

Draw for the Figure :

1-SectionalFront View

2- View

3-Top View



Q42:

Draw for the Figure :

1-Front View

2- Side View

3-Top View

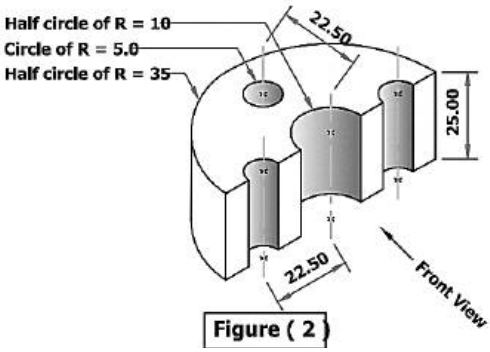


Figure (2)

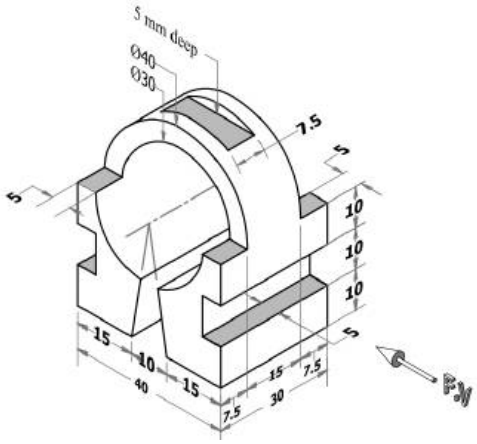
Q43:

Draw for the Figure :

1-Front View

2- Sectional Side View

3-Top View



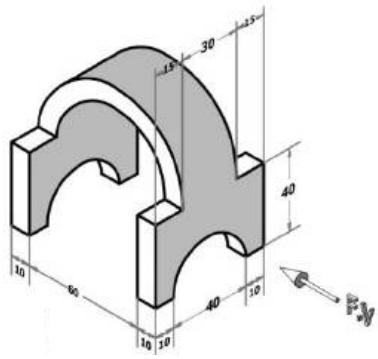
Q44:

Draw for the Figure :

1-Front View

2- Side View

3-Top View



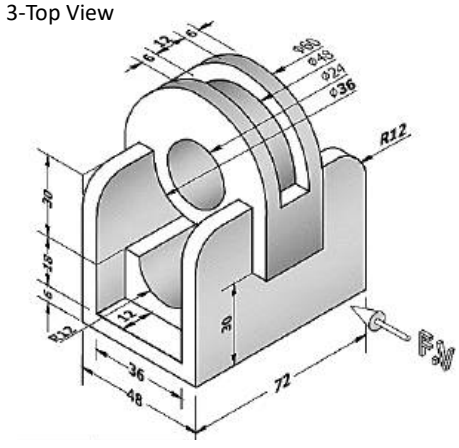
Q45:

Draw for the Figure :

1-Sectional Front View

2- Side View

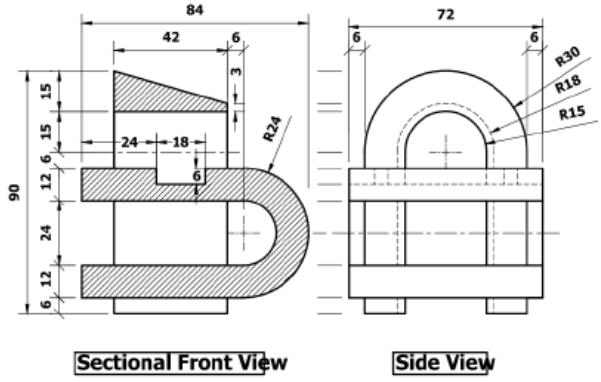
3-Top View



Q46:

For the Views shown

- Draw the ISOMETRIC Drawing



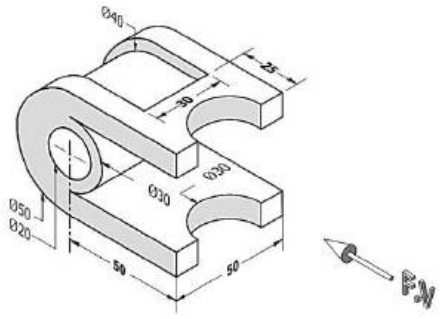
Q47:

Draw for the Figure :

1-Front View

2- Sectional Side View

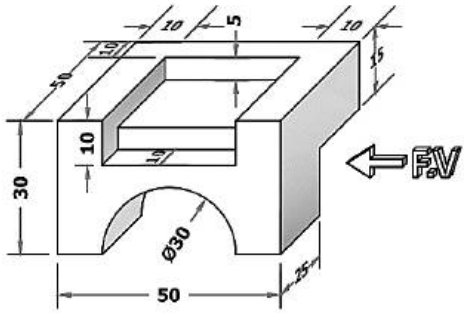
3-Top View



Q48:

For the Figure shown

- Draw the ISOMETRIC Drawing



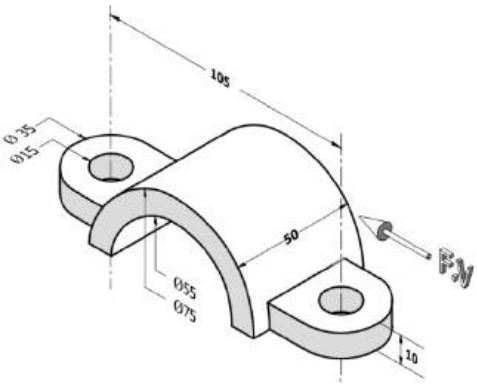
Q49:

Draw for the Figure :

1-Front View

2- Sectional Side View

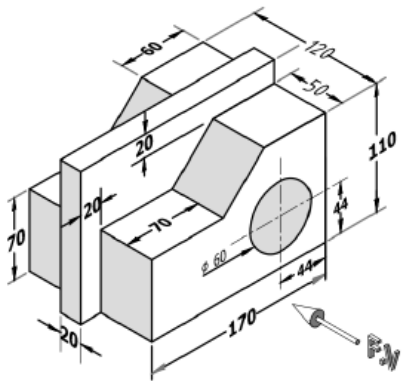
3-Top View



Q50:

For the Figure shown

- Draw the ISOMETRIC Drawing



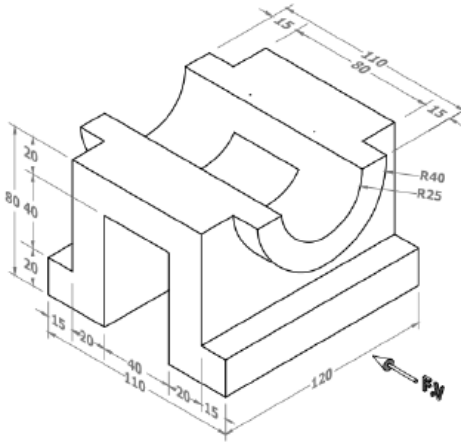
Q51:

Draw for the Figure :

1-Half Sectional Front View

2- Half Sectional Side View

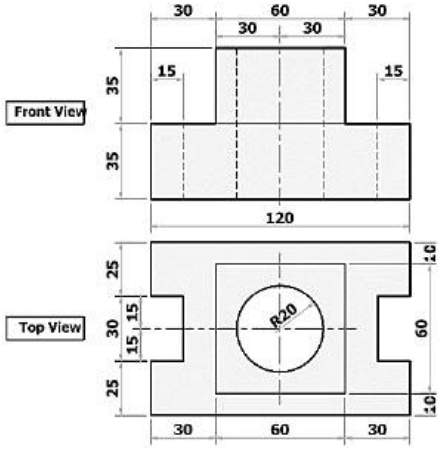
3-Top View



Q52:

For the Views shown

- Draw the ISOMETRIC Drawing



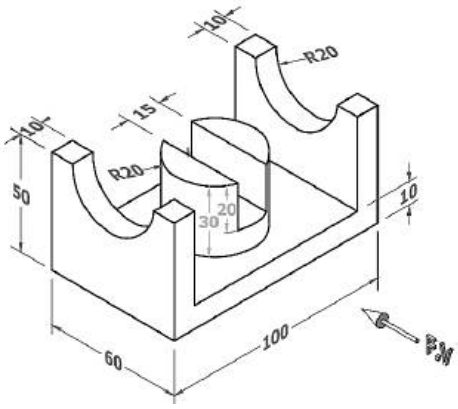
Q53:

Draw for the Figure :

1-Half Sectional Front View

2- Half Sectional Side View

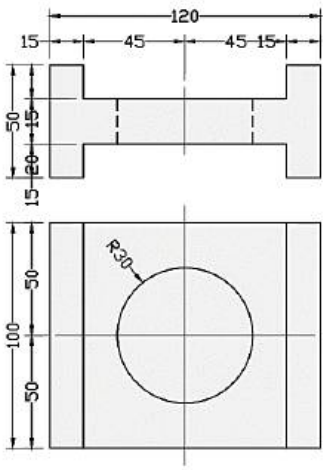
3-Top View



Q54:

For the Views shown

- Draw the ISOMETRIC Drawing



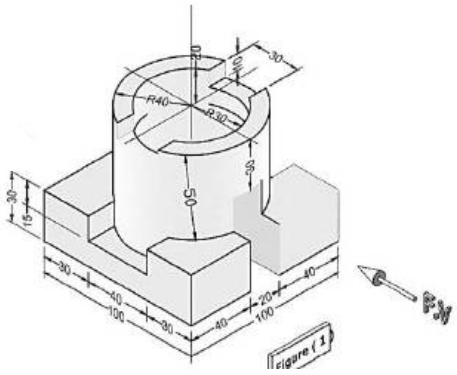
Q55:

Draw for the Figure :

1-Half Sectional Front View

2- Half Sectional Side View

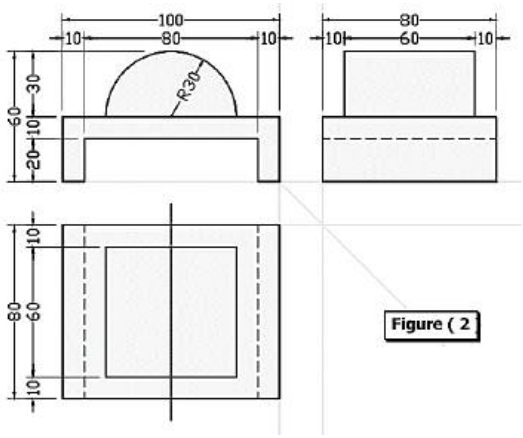
3-Top View



Q56:

For the Views shown

- Draw the ISOMETRIC Drawing



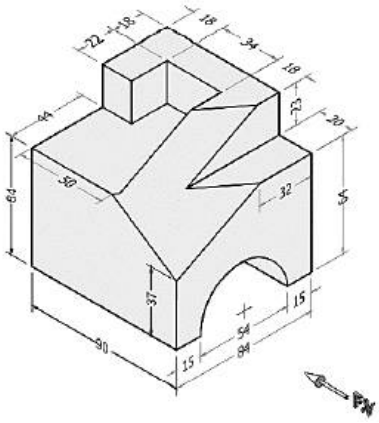
Q57:

Draw for the Figure :

1- Front View

2- Side View

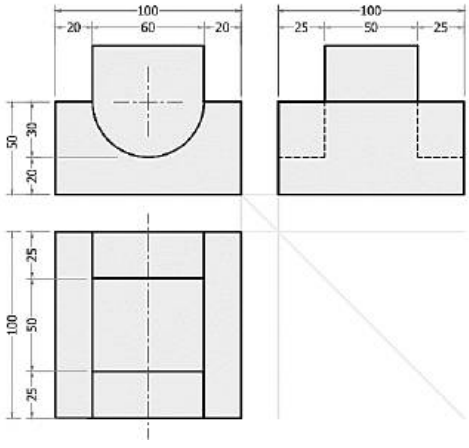
3- Top View



Q58:

For the Views shown

- Draw the ISOMETRIC Drawing



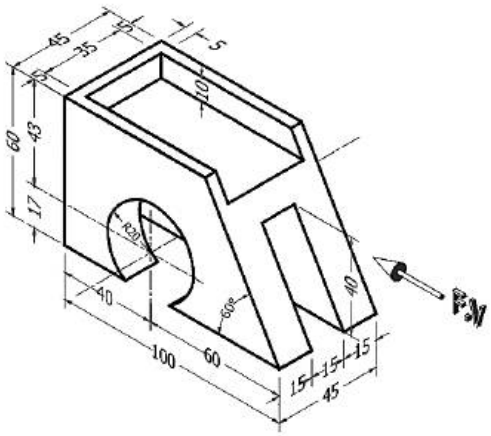
Q59:

Draw for the Figure :

1- Front View

2- Side View

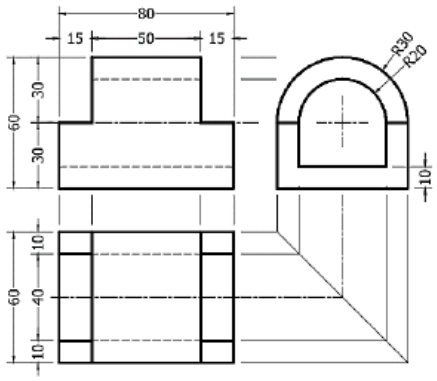
3- Top View



Q60:

For the Views shown

- Draw the ISOMETRIC Drawing



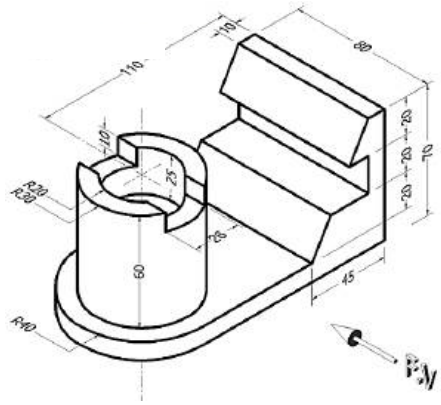
Q61:

Draw for the Figure :

1- Front View

2- Side View

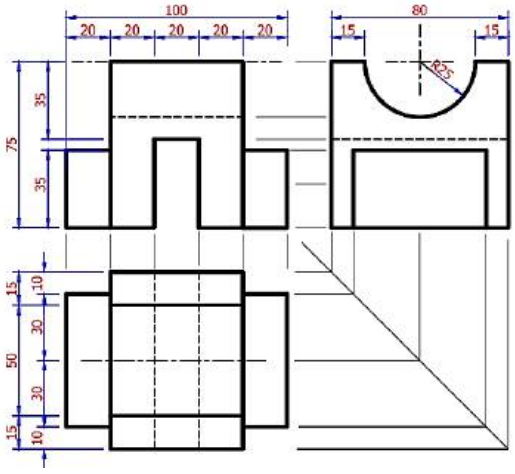
3- Top View



Q62:

For the Views shown

- Draw the ISOMETRIC Drawing



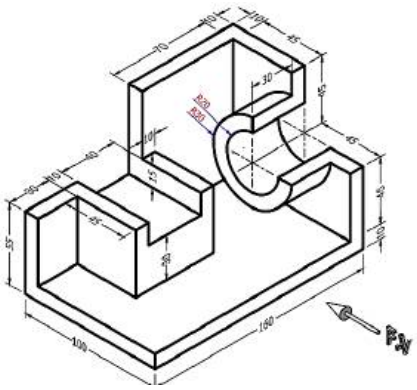
Q63:

Draw for the Figure :

1- Front View

2- Side View

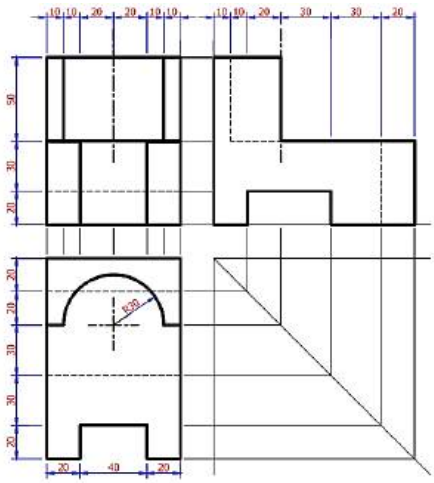
3- Top View



Q64:

For the Views shown

- Draw the ISOMETRIC Drawing



Q65

Draw for the Figure shown:

1- Front View (FV).

2-Side View (SV).

3-Top View (TV).

Notes:

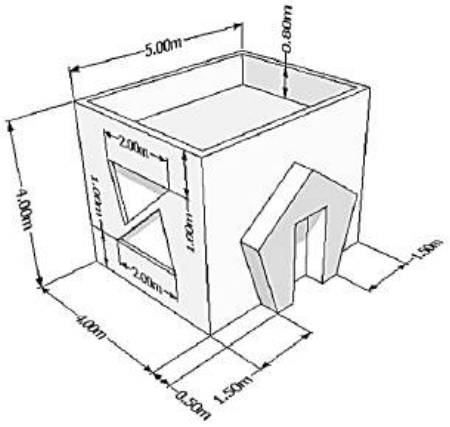
1-Scale 1:50

2-Dimensions are in (m)

3-2 Windows in triangle shapes: side length (2 , 1.5 and 2.2) meter. The horizontal length of triangle is in the middle of Side View.

4-The Door (1 x 2) m is surrounded by a Pentagon Shape.

5- Dimensions NOT required



Q66:

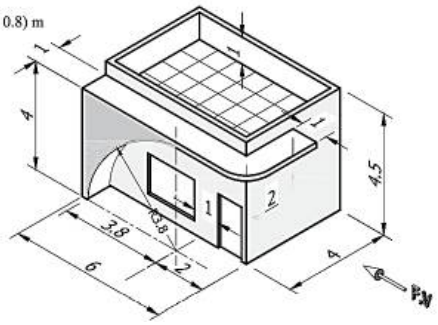
Draw for the Figure :

1- Front View

2- Side View

3- Top View

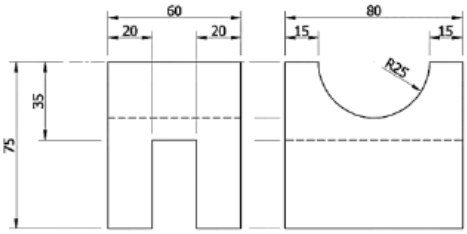
Notes:
1-Scale 1:50
2-Dimensions are in (m)
3-Window (1.5 x 2) m
4-Door (1 x 2) m
5-Roof Tile (0.8 x 0.8) m



Q67:

For the Views shown

- Draw the ISOMETRIC Drawing



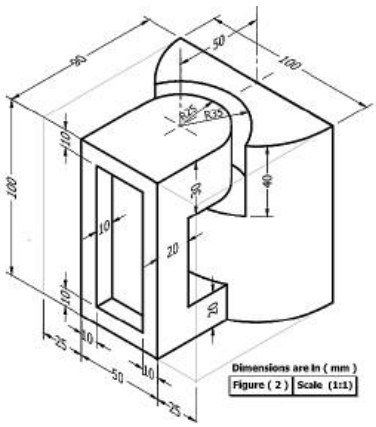
Q68:

Draw for the Figure :

1- Sectional Front View

2- Side View

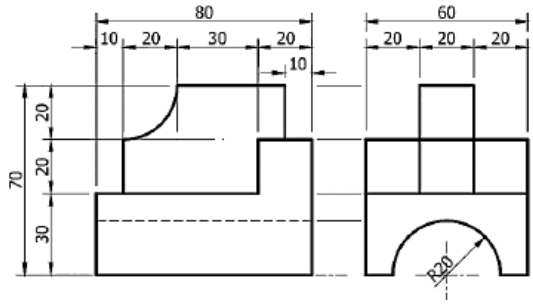
3- Top View



Q69:

For the Views shown

- Draw the ISOMETRIC Drawing



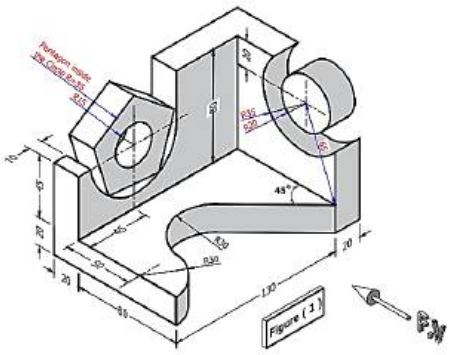
Q70:

Draw for the Figure :

1- Front View

2- Side View

3- Top View



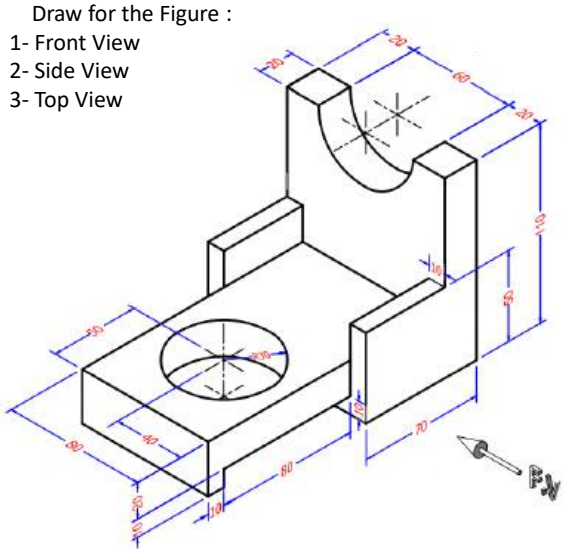
Q71:

Draw for the Figure :

1- Front View

2- Side View

3- Top View



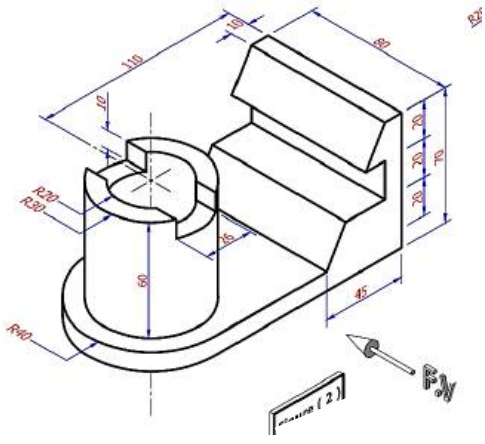
Q72:

Draw for the Figure :

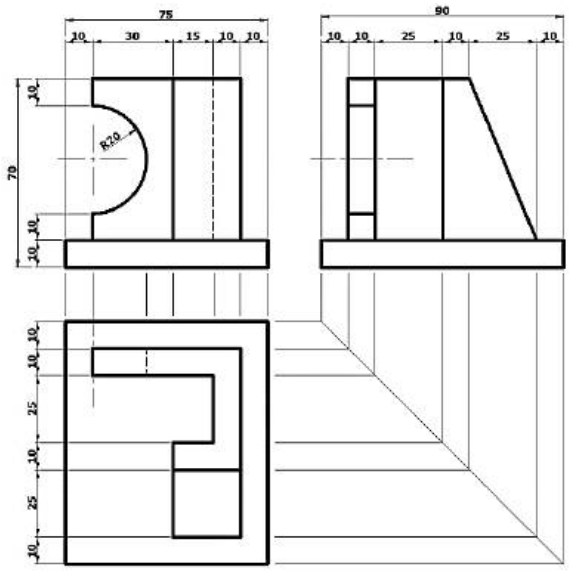
1- Front View

2- Side View

3- Top View



Q73: For the Views shown - Draw the ISOMETRIC Drawing



Q74: For the Frontal straight-line AB: A (25, 30), B (60, 55)
1- Draw the plan and elevation of AB.
2- Find the horizontal and vertical traces of Line AB.
3- Find the inclination angle of line AB with both planes.
4- Find the true length of the line AB.

Q75: **The straight line AB is placed such that:**
A (12, ?) , B (30,20) , A is Right of B ,V (0,70) and distance between Projectors = 30:
Note: Values are in (mm), (Scale 1:1).

1- Draw the plan and elevation of AB.
2- Find Ya.
3- Find the horizontal trace of AB
4- Find the inclination angle of line AB with horizontal and vertical plane.
5- Find the true length of the line AB.

Q76: **The straight line AB is placed such that:**
A (35, 40) mm, B (15, 25) mm, A is Right of B and Distance between projectors = 30mm:
1- Draw the plan and elevation of AB
2- Find the horizontal and vertical traces of AB
3- Find the inclination angle of line AB with horizontal And vertical plane.
4- Find the true length of the line AB

Q77: Line AB is parallel to the Horizontal Plane, A (18 , 23) and B (55 , 23) and B is left of A and distance between the projectors = 51 mm , Note: the values are in (mm).

1- Draw the Plan and Elevation of Line AB.
2- Find the inclination of line AB with the Vertical plane.
3- Find the true length of Line AB.

Q78: Draw the plan and elevation of points A, B, C, D, E, and F & state the quadrants of each point's falls:
A (-30,-40) , B (20,-50), C (-10, 40), D (20,40), E (0,-35), and F (55,0)
(Note: the values are in (mm)

Q79: The straight line AB is placed such that :
A (64 , 52), B (14 , 26) and A is Right of B and distance between projectors = 52 :
1- Draw the plan and elevation of AB.
2- Find the horizontal and vertical traces of Line AB.
3- Find the inclination angle of line AB with horizontal and vertical plane .
4- Find the true length of the line AB.
Note: Values are in (mm)

Q80:

Draw for the Figure :

1- Front View

2- Side View

3- Top View