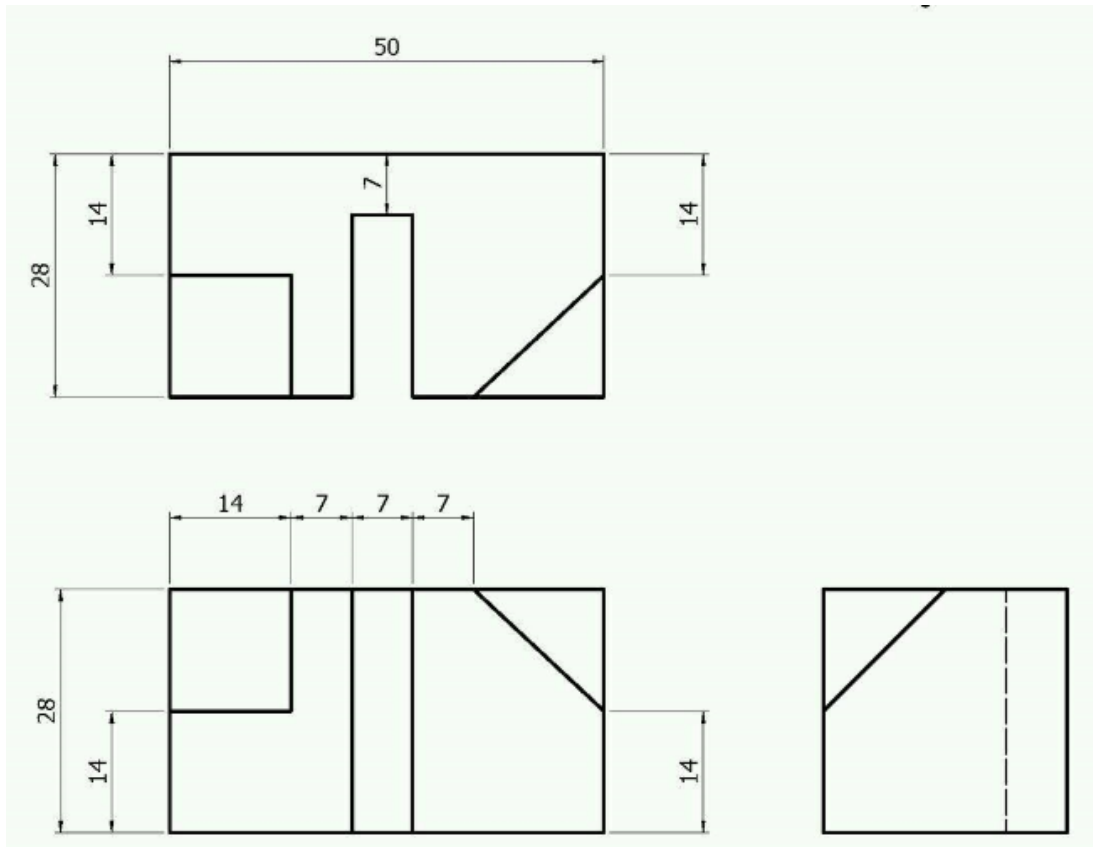


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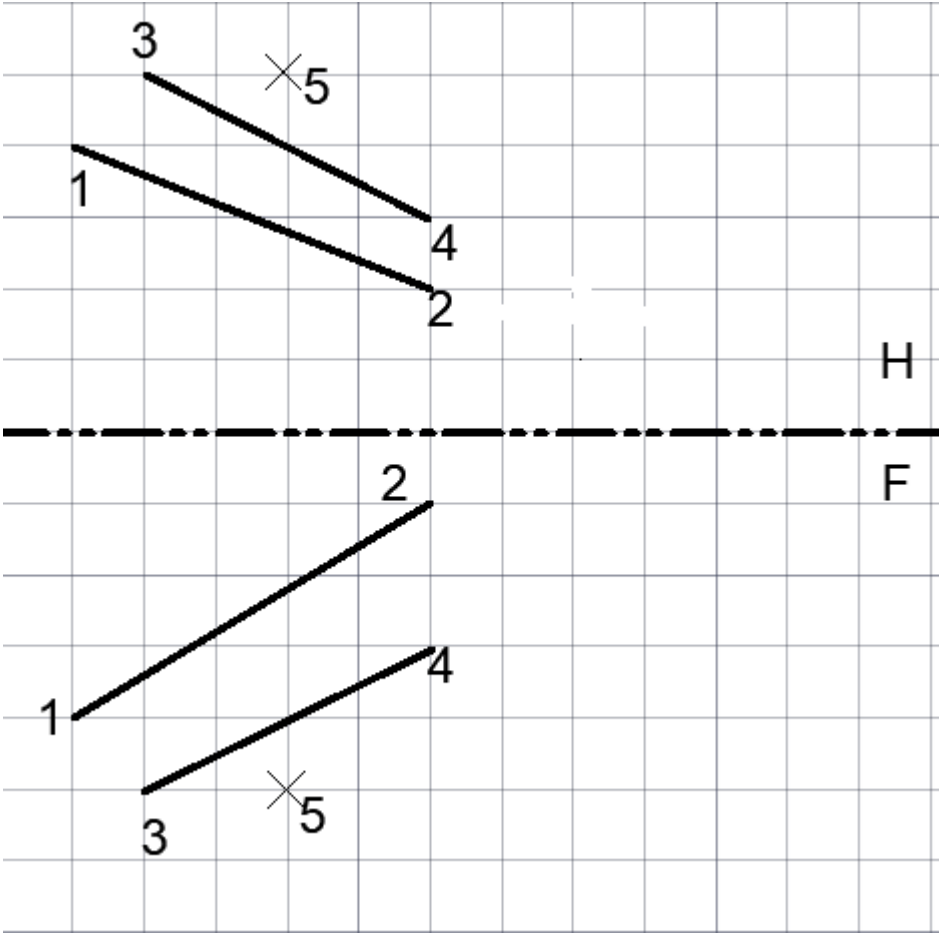
Section No. _____

Q1: For the given views, make an i. (5 Points)



Q2: is point 5 nearer to Line 1-2 or 3-4? Find the true distance.

(5 Points)

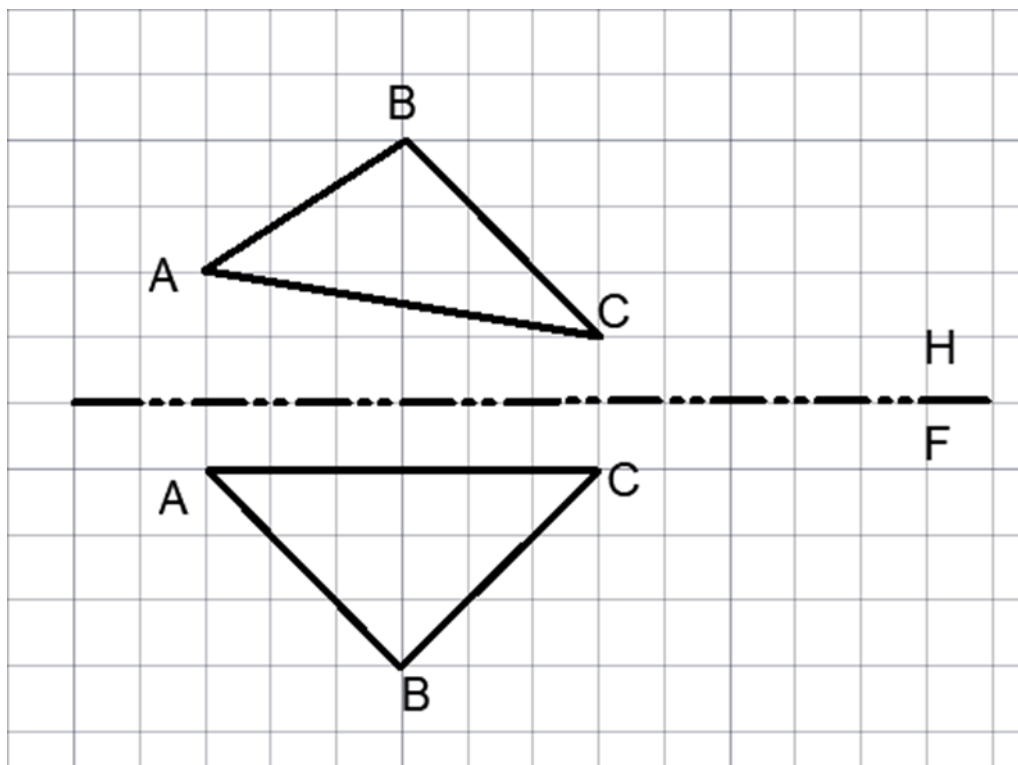


Q3: A:) Draw a regular hexagon with a **20 mm** side long, where its center **O** is **10 mm** away from both *a* and *b*.

.B:) Find the angle **ABO**

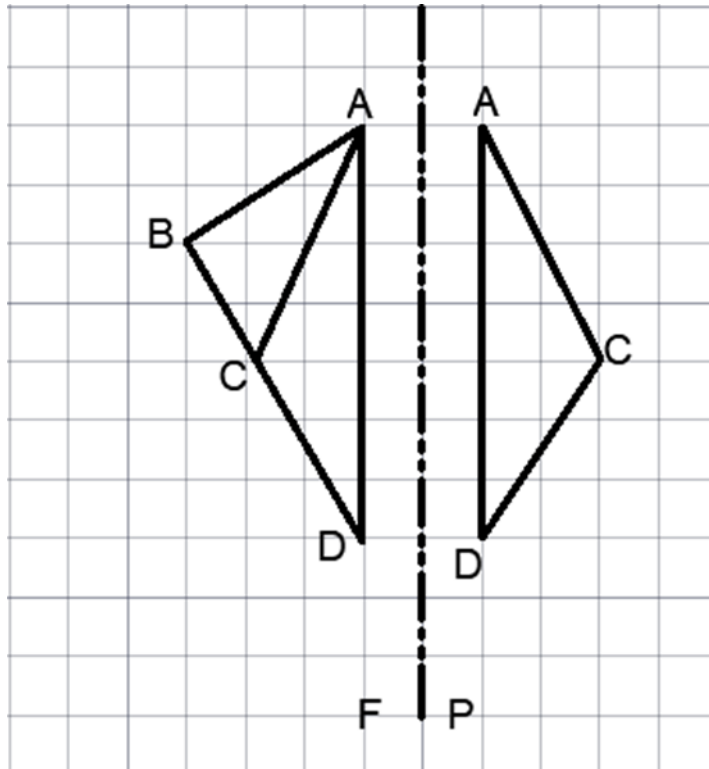
C:) Draw a line with **10 mm** long from point **O** that is perpendicular to the plane **ABC**

Note: point **O** lies on the plane **ABC** **(6 Points)**



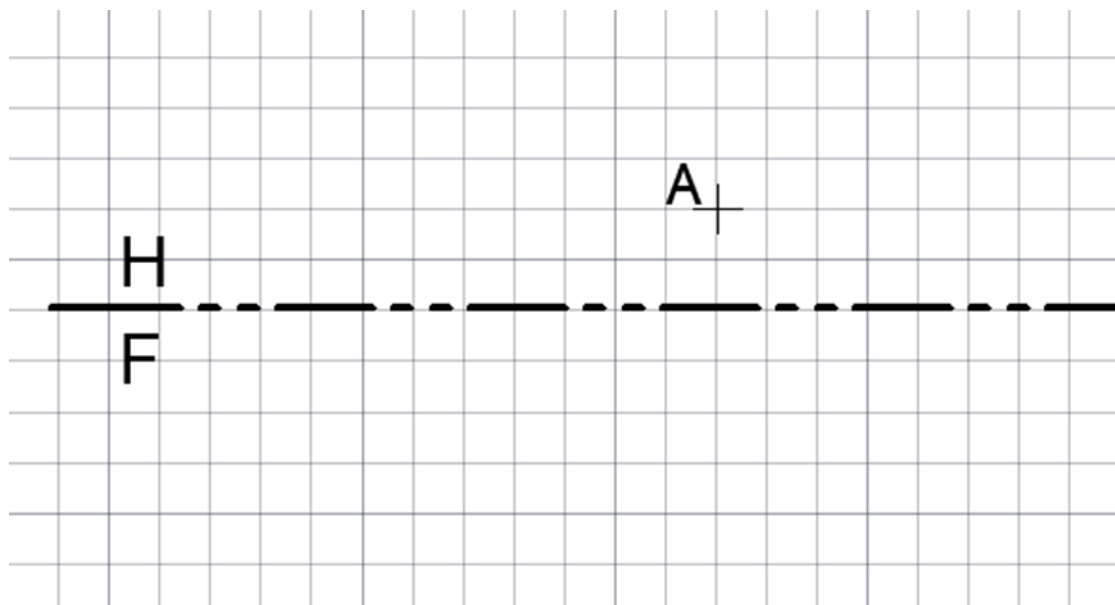
Q4: Determine the dihedral angle between the inclined Plane (ABC) and the plane (ACD)

Note: Plane (ABC) is perpendicular on the profile plane. (4 Points)



Q5:) Draw the vertical square (ABCD) of 30 mm side long which makes angle of 45° with the front plane. Given point (A) one corner of the square.

(5 points)

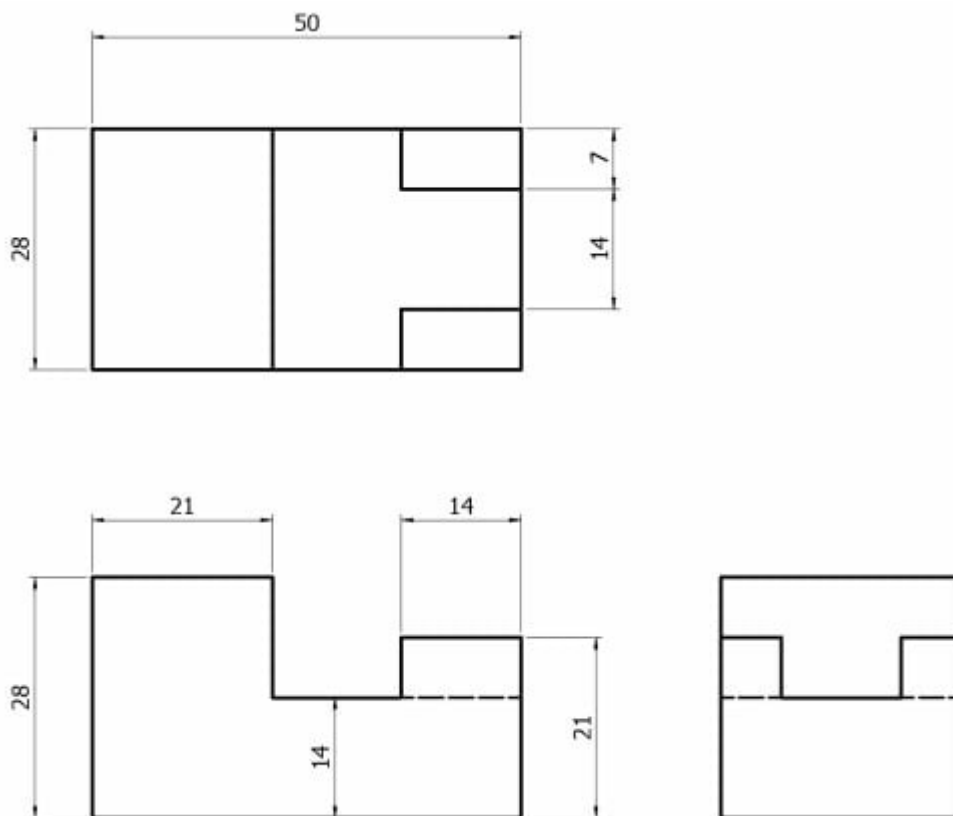


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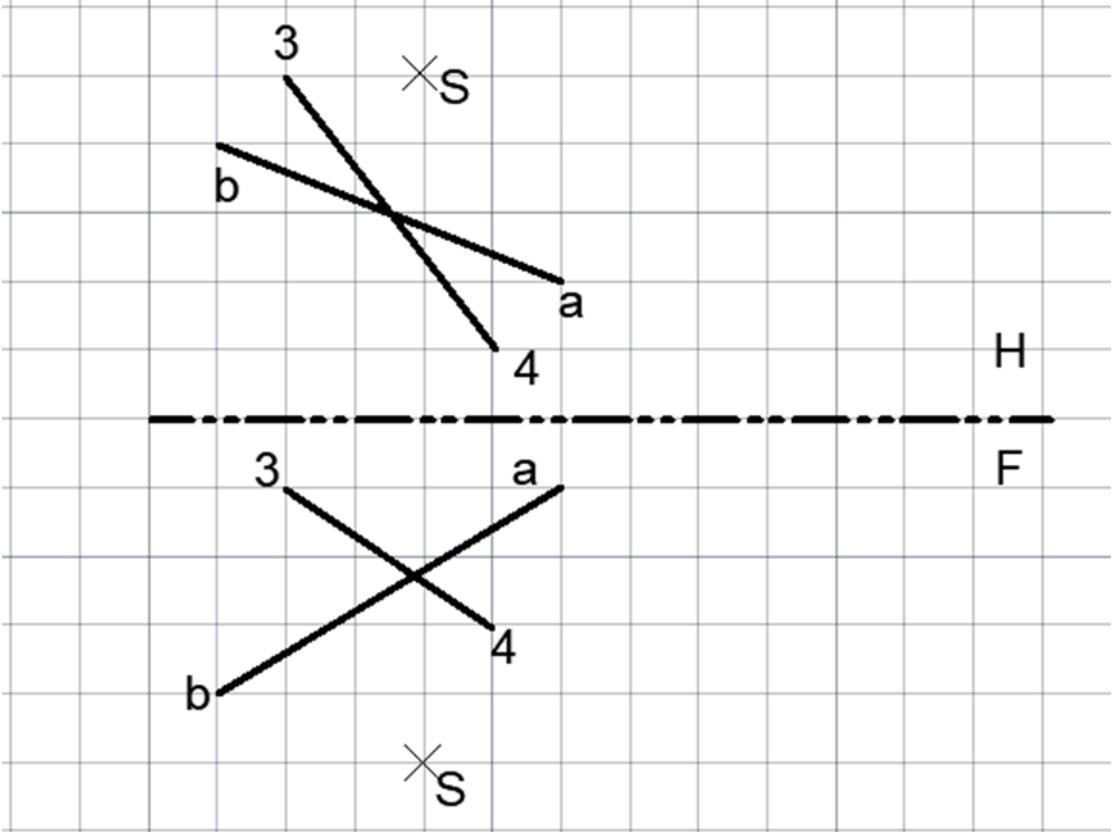
Section No. _____

Q1: For the given views, make an oblique drawing. **(5 Points)**



Q2: Is point *s* nearer to Line *a-b* or 3-4? Find the true distance.

(5 Points)

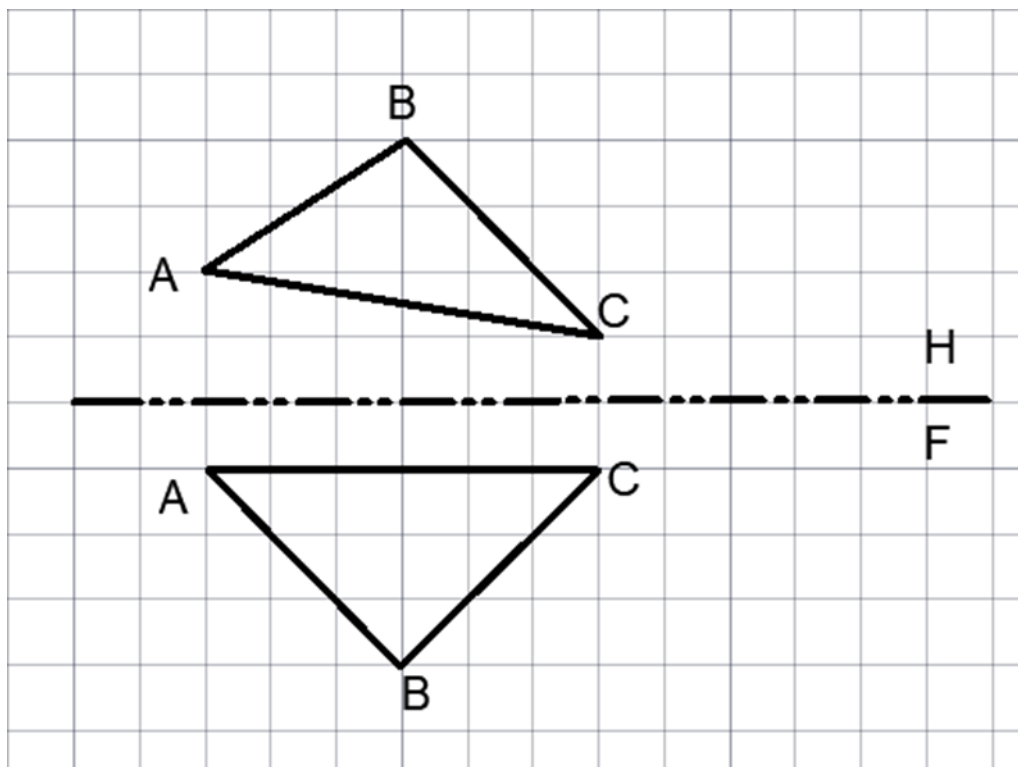


Q3: A:) Draw a regular hexagon with a **23 mm** side long, where its center **V** is **13 mm** away from both **A** and **B**.

.B:) Find the angle **AVC**.

C:) Draw a line with **10 mm** long from point **V** that is perpendicular to the plane **ABC**.

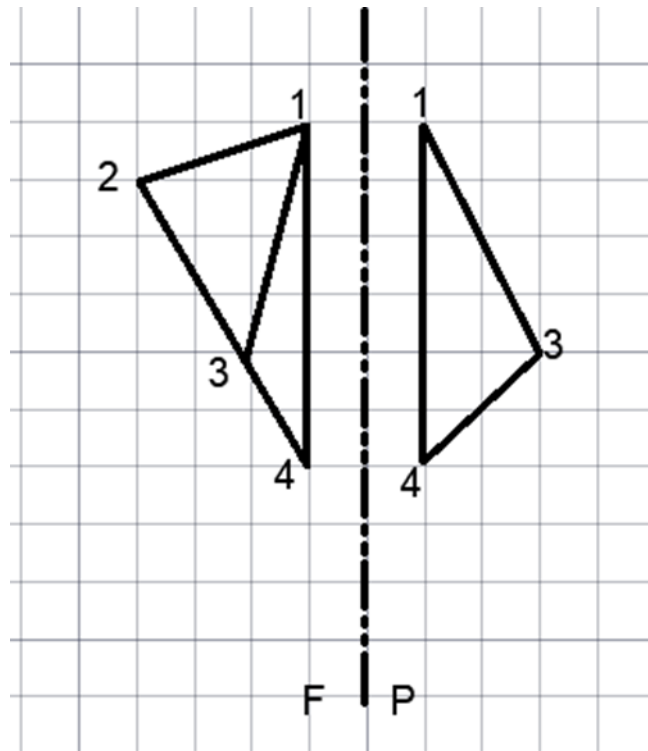
Note: point **V** lies on the plane **ABC**. (6 Points)



Q4: Determine the dihedral angle between the inclined Plane (123) and the plane (134)

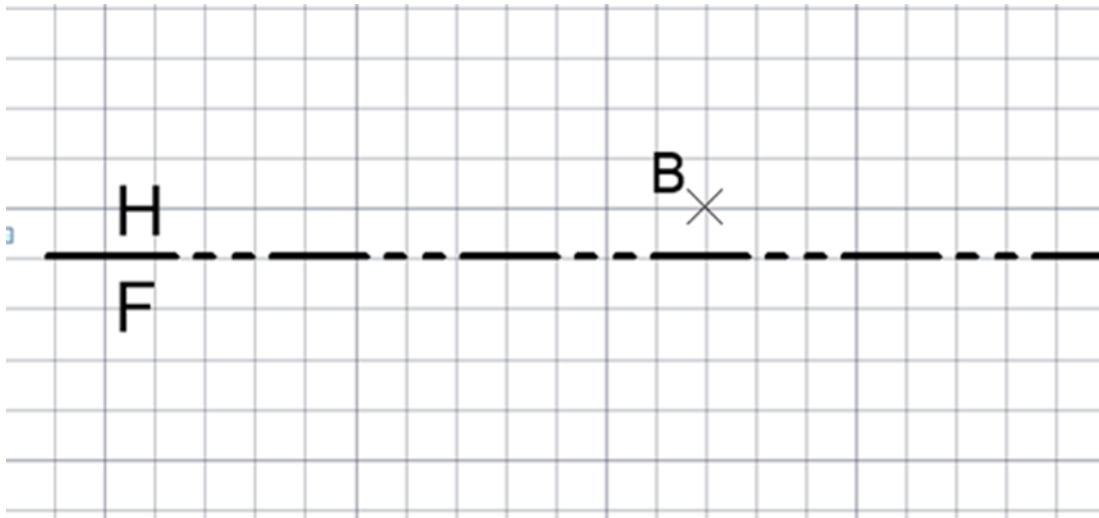
Note: Plane (123) is perpendicular on the profile plane.

(4 Points)



Q5:) Draw the **vertical** square (ABCD) of 25 mm side long which makes angle of 35° with the front plane.
Given point (B) one corner of the square.

(5 marks)

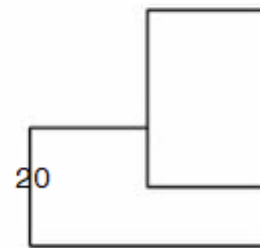
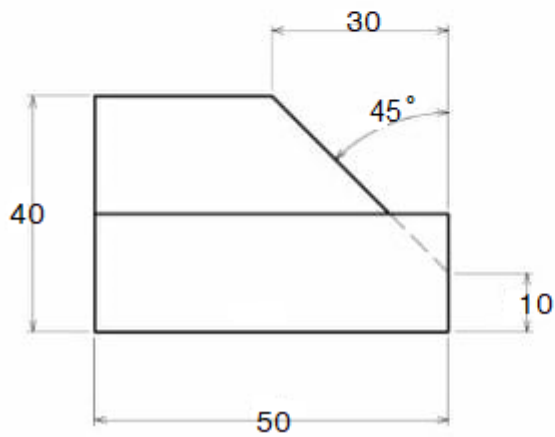
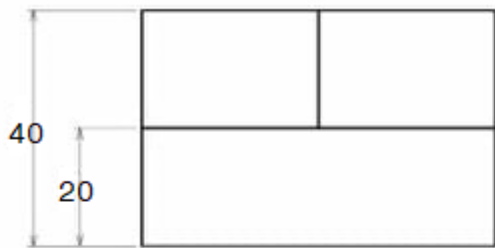


Student name: _____

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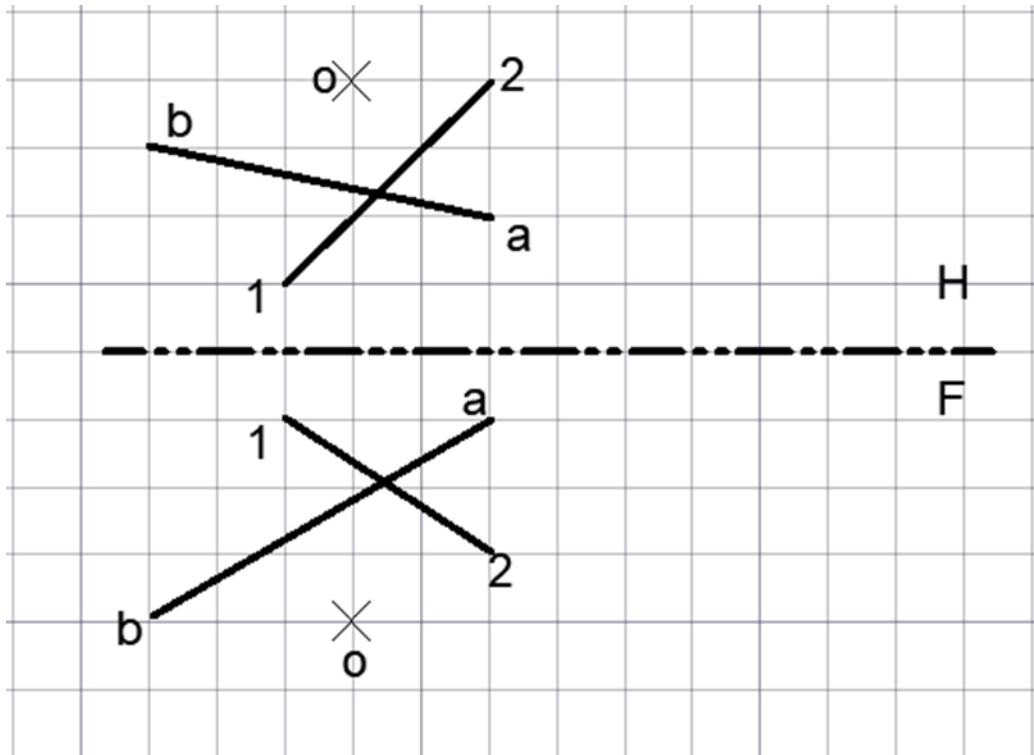
Section No. _____

Q1: For the given views, make an oblique drawing. **(5 Points)**



Q2: Is point **O** nearer to Line **a-b** or **1-2**? Find the true distance.

(5 Points)

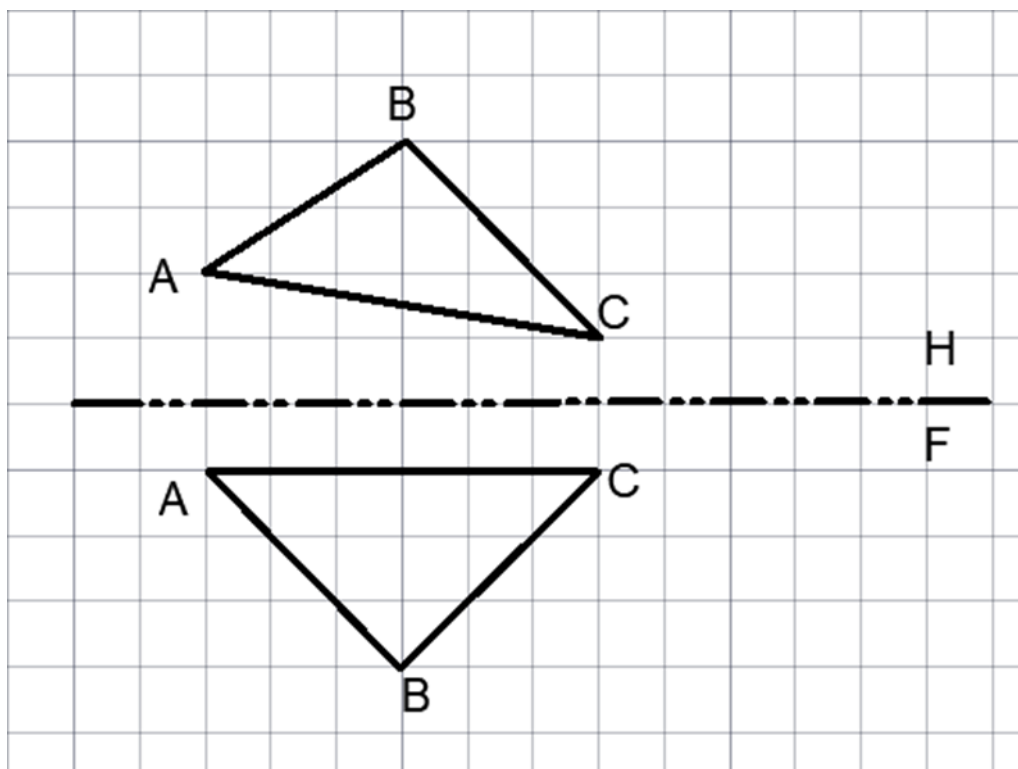


Q3: A:) Draw a regular hexagon with a **22 mm** side long, where its center **x** is **14 mm** away from both **C** and **B**.

.B :) Find the angle **BXA**.

C :) Draw a line with **15 mm** long from point **x** that is perpendicular to the plane **ABC**.

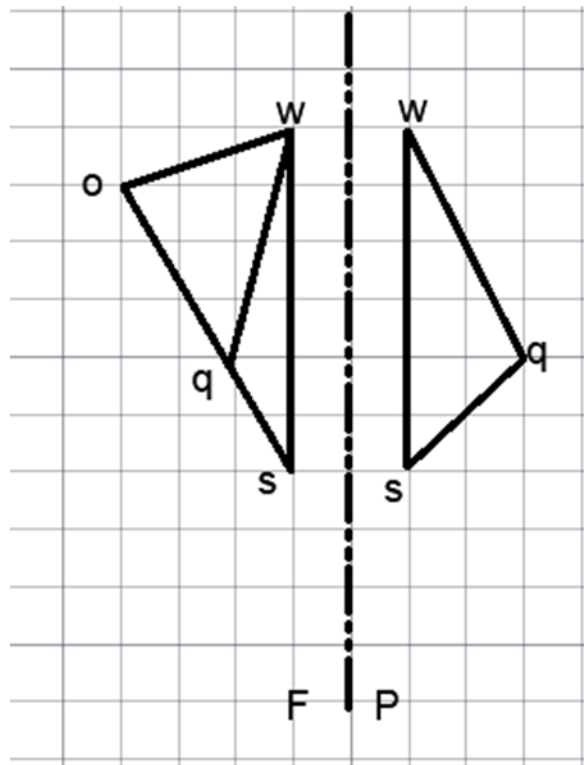
Note: point **x** lies on the plane **ABC**. **(6 Points)**



Q4: Determine the dihedral angle between the inclined Plane (**owq**) and the plane (**wqs**)

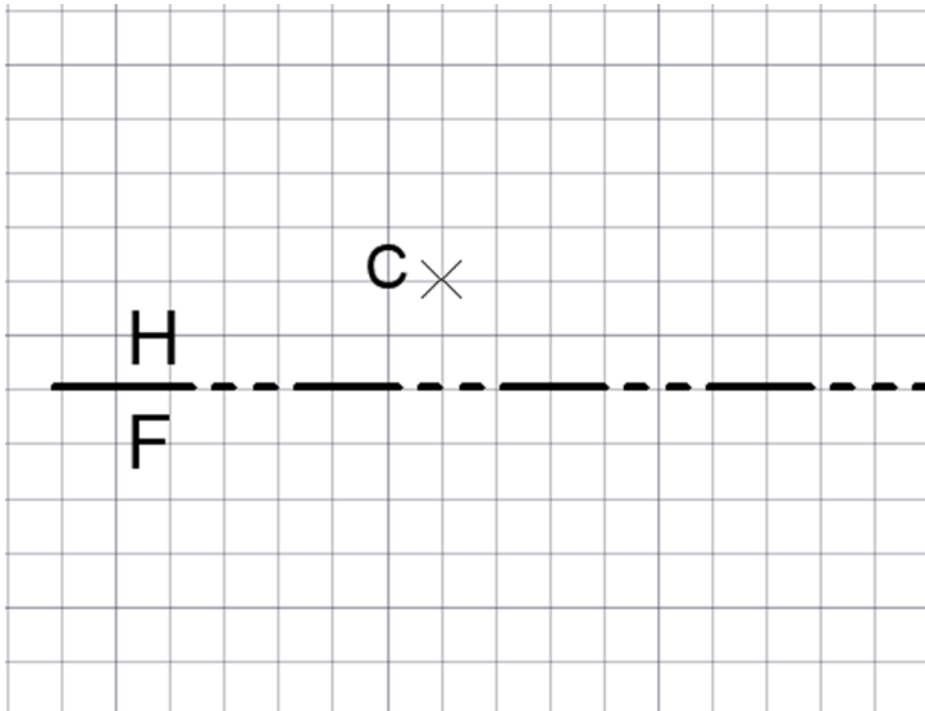
Note: Plane (**owq**) is perpendicular on the profile plane.

(4 Points)



Q5:) Draw the **vertical** square (ABCD) of 18 mm side long which makes angle of 25° with the front plane.
Given point (C) one corner of the square.

(5 marks)

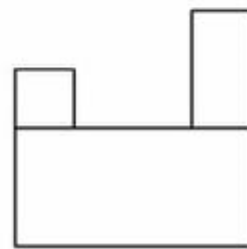
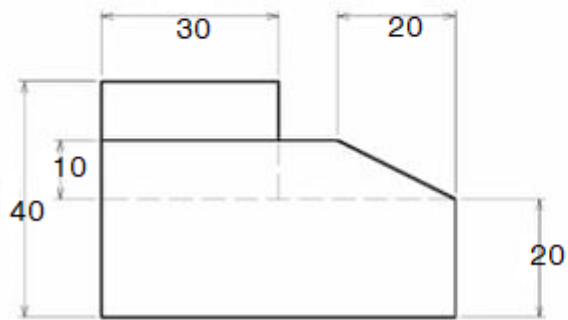
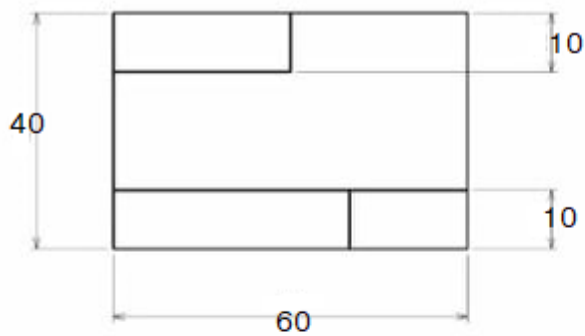


Student name: _____

ID No. _____

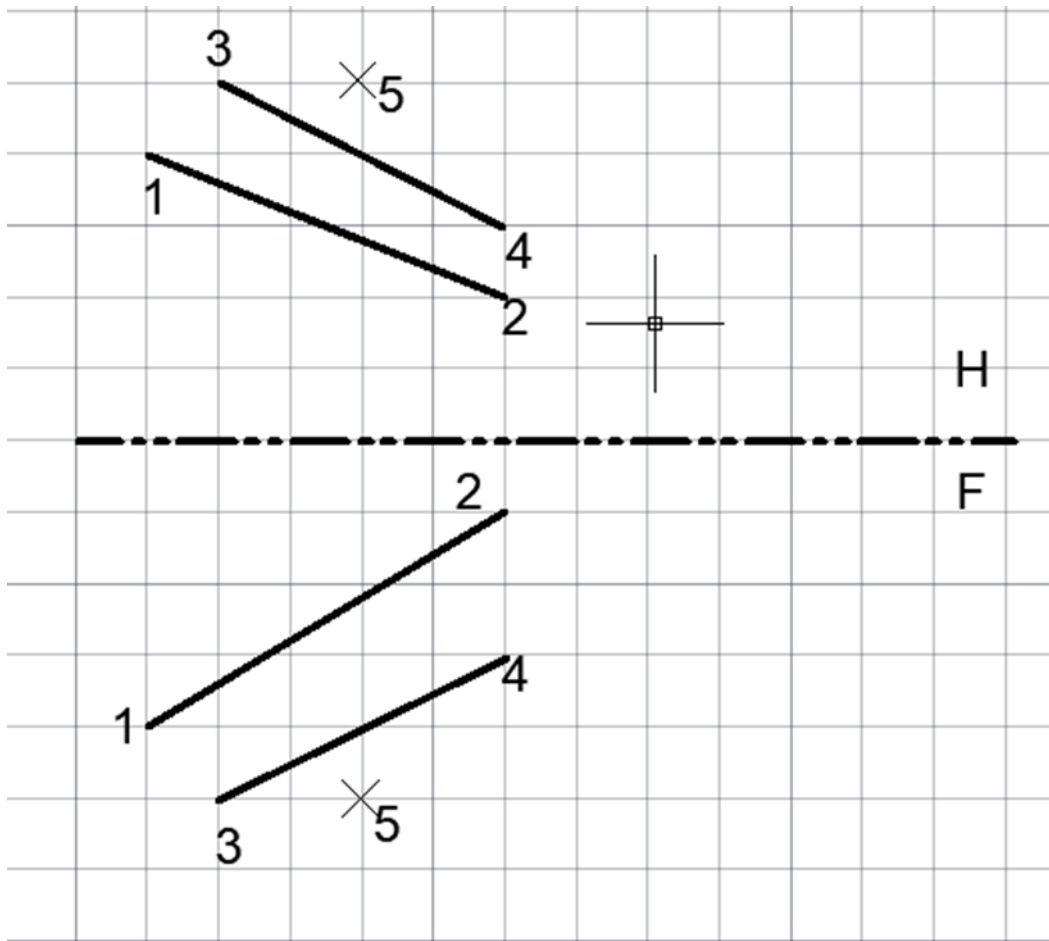
Section No. _____

Q1: For the given views, make an isometric drawing. (5 Points)



Q2: Is point 5 nearer to Line 3-4 or 1-2? Find the true distance.

(5 Points)

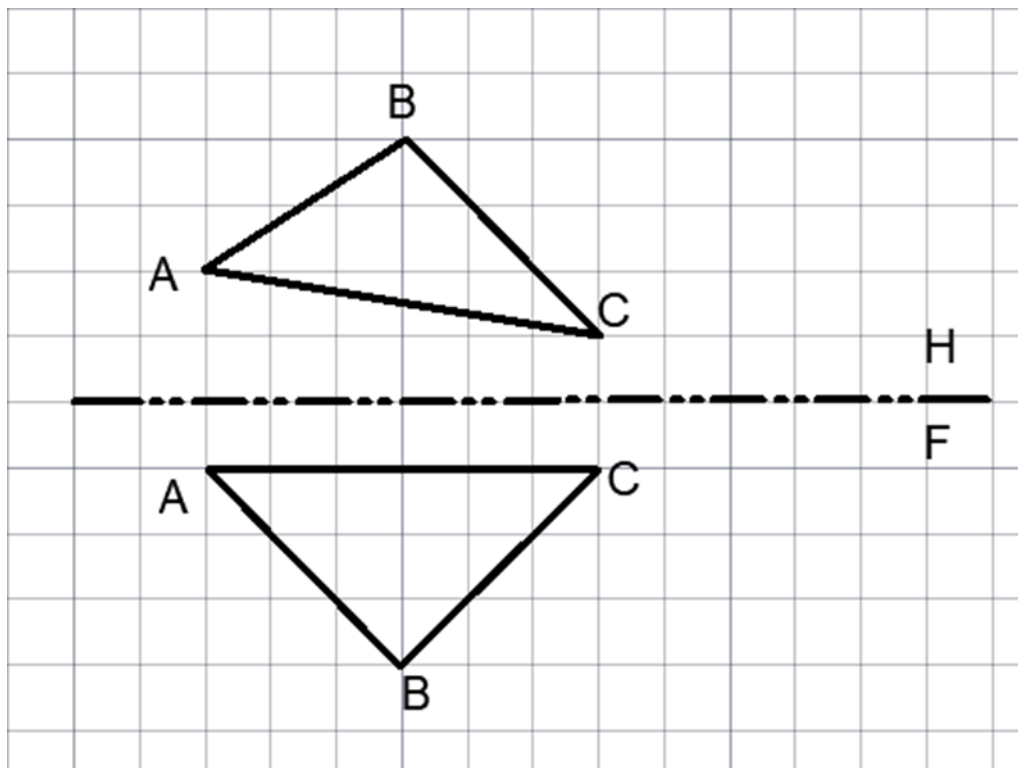


Q3: A:) Draw a regular hexagon with a **18 mm** side long, where its center **z** is **13 mm** away from both **A** and **B**.

.B :) Find the angle **BzA**.

C :) Draw a line with **17 mm** long from point **z** that is perpendicular to the plane **ABC**.

Note: point **z** lies on the plane **ABC**. (6 Points)



Q4: Determine the dihedral angle between the inclined Plane (134) and the plane (342)

Note: Plane (134) is perpendicular on the profile plane.

(4 Points)

