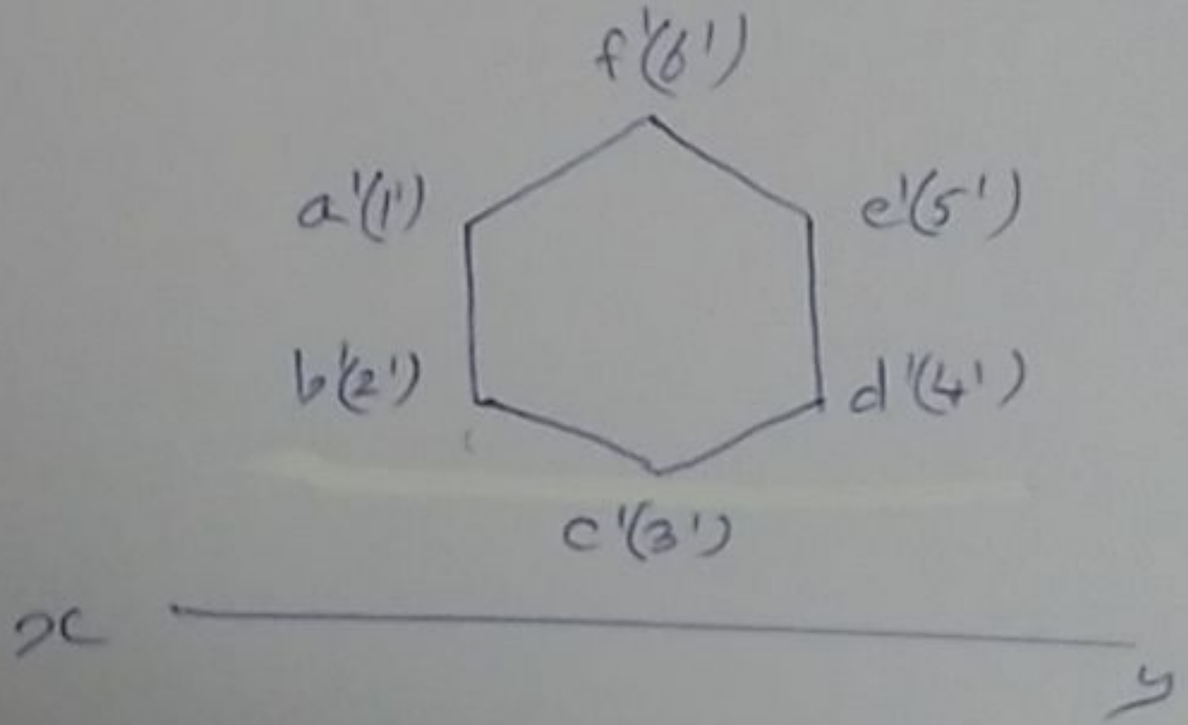
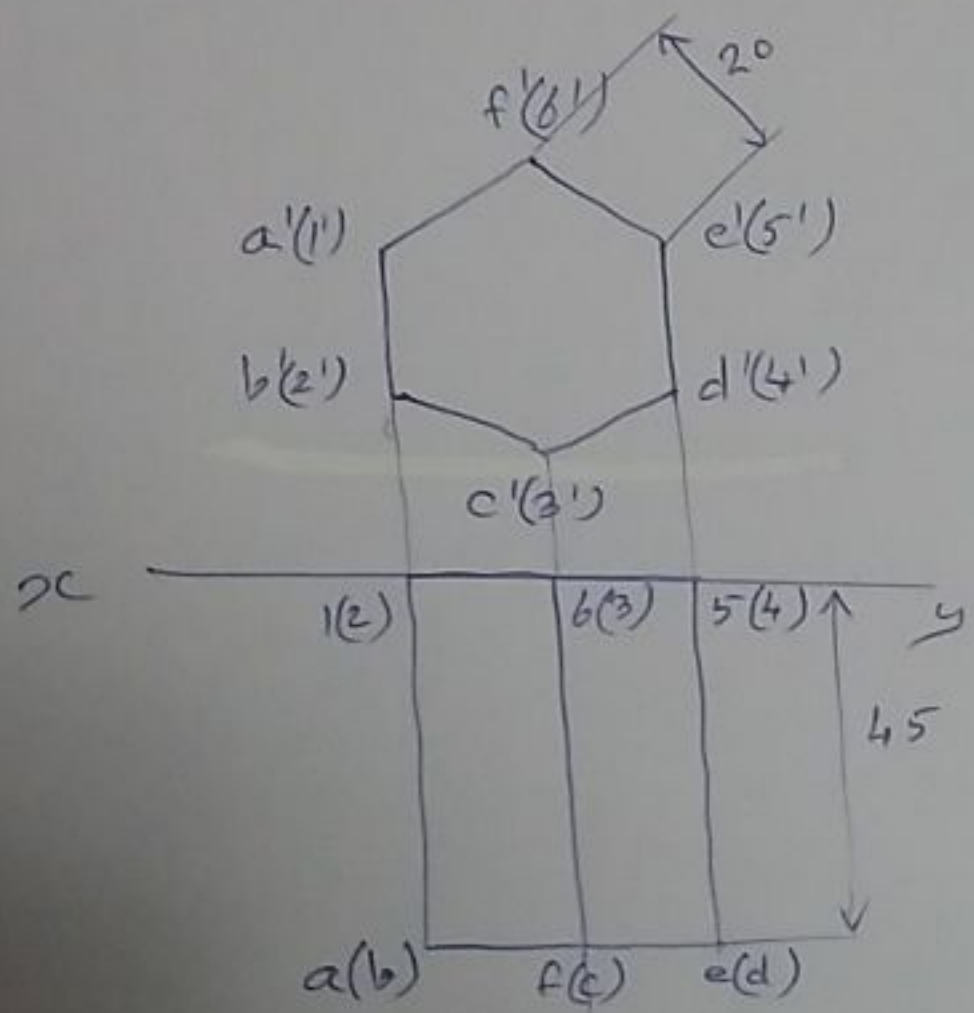
Draw the iso. View & iso. proj. of a hexagonal prism base 20mm & Lt. 45mm resting on its base on V.P with one base edge $\perp^r$ to H.P.

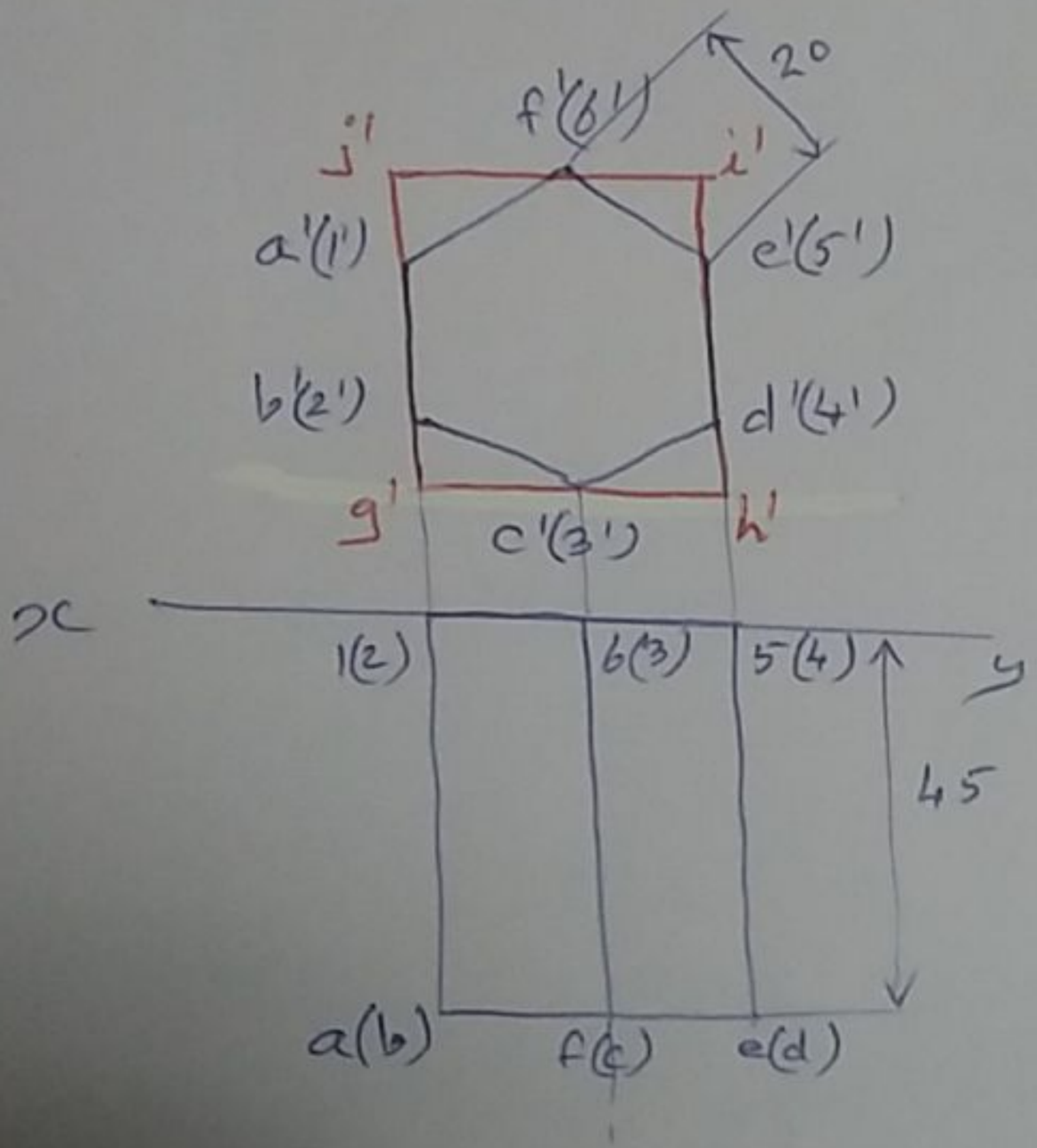
Isometric View



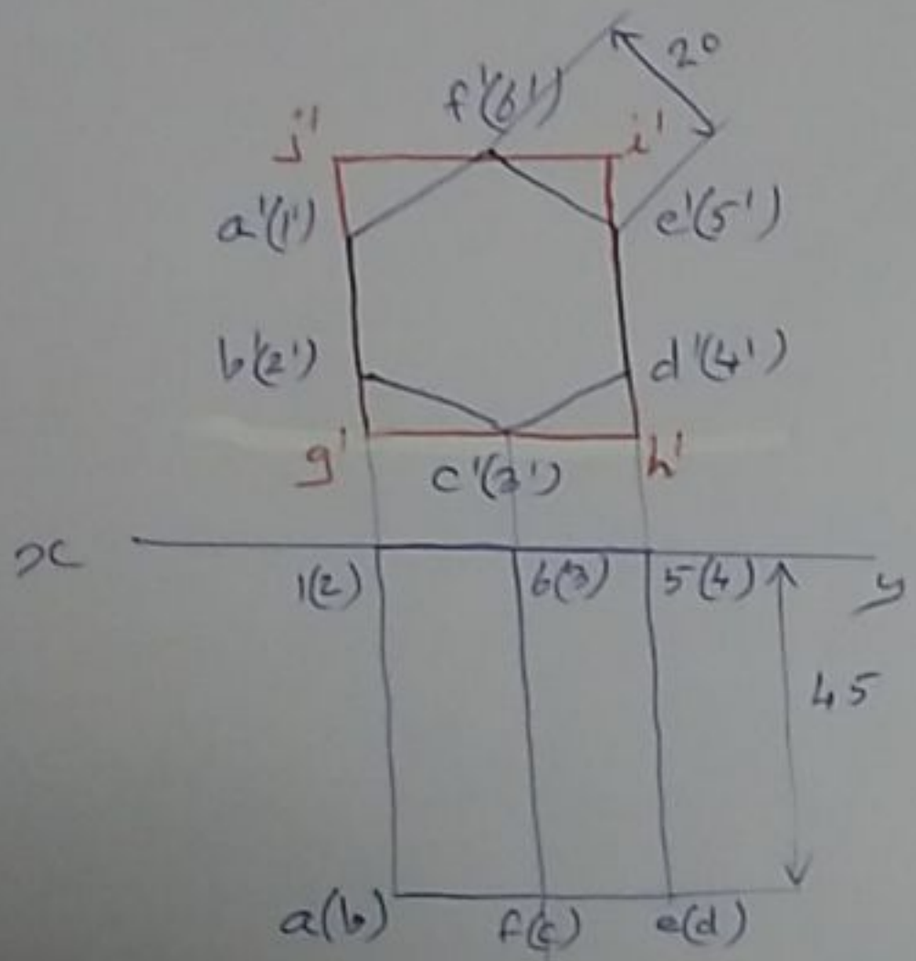
Isometric View

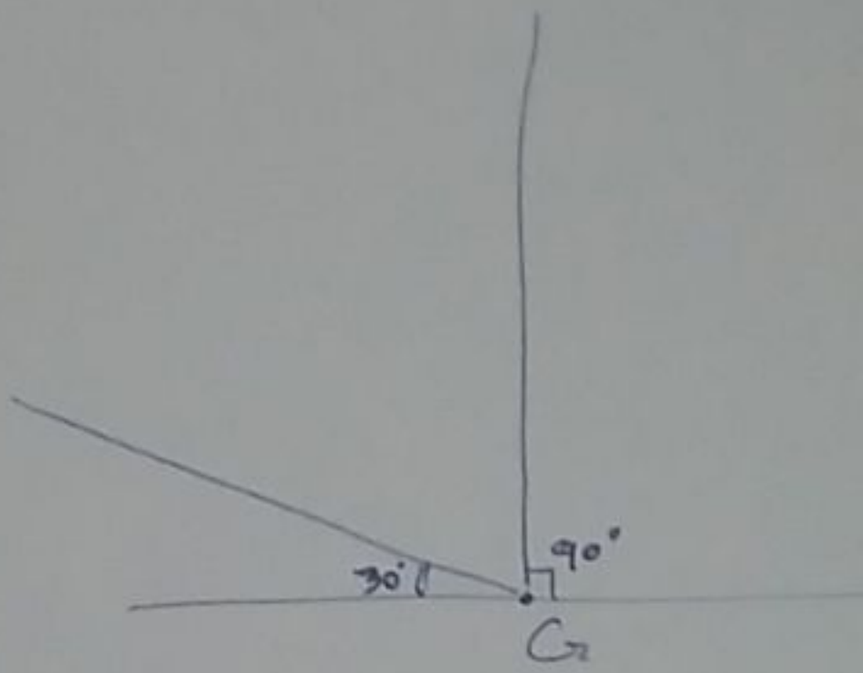


Isometric View



Isometric View





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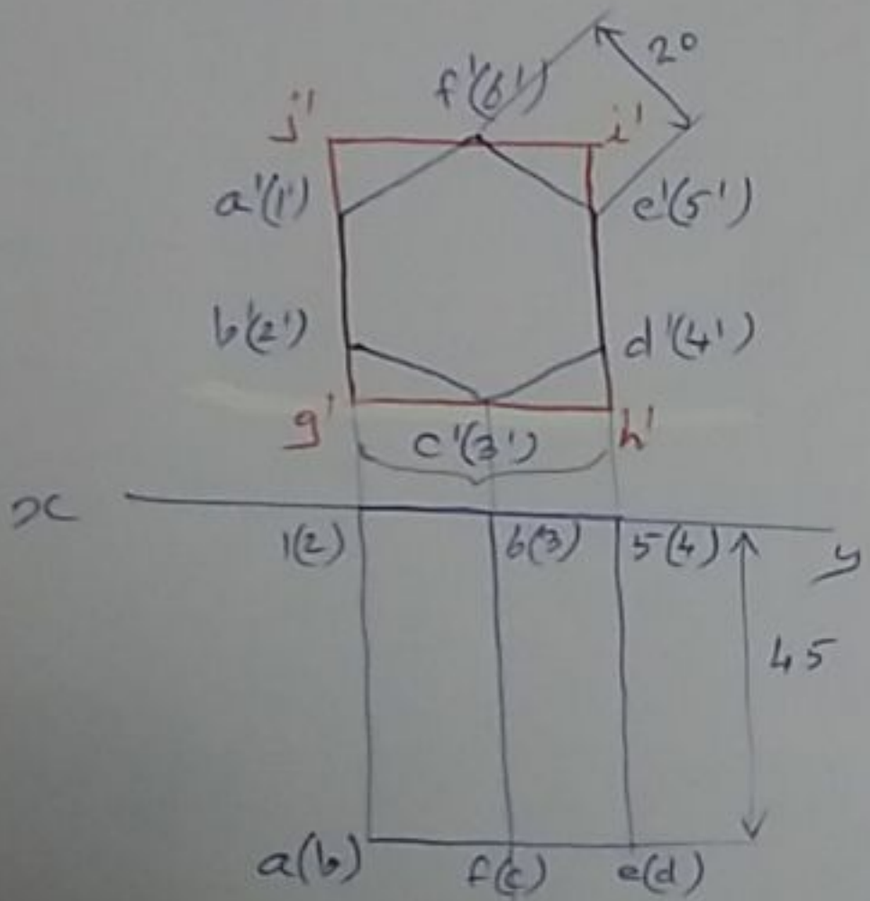
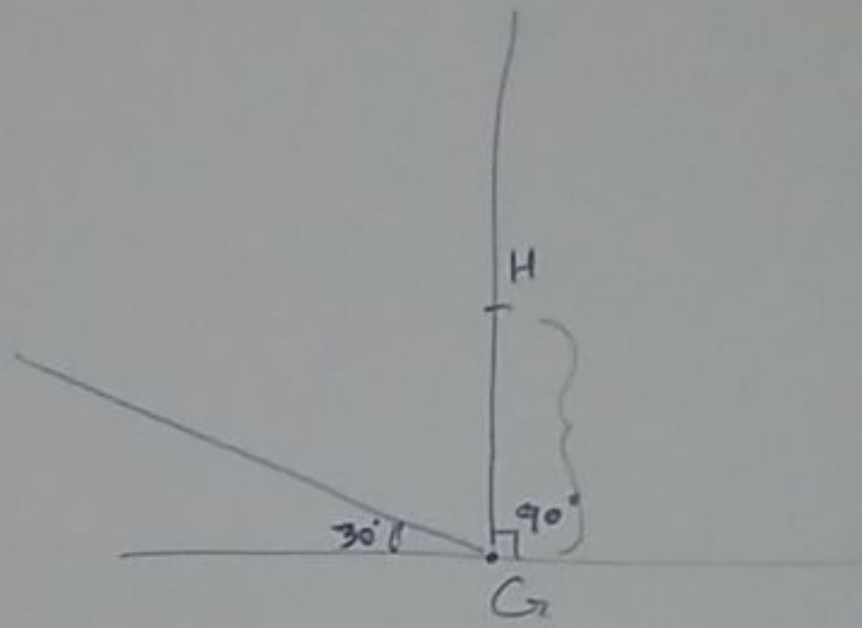
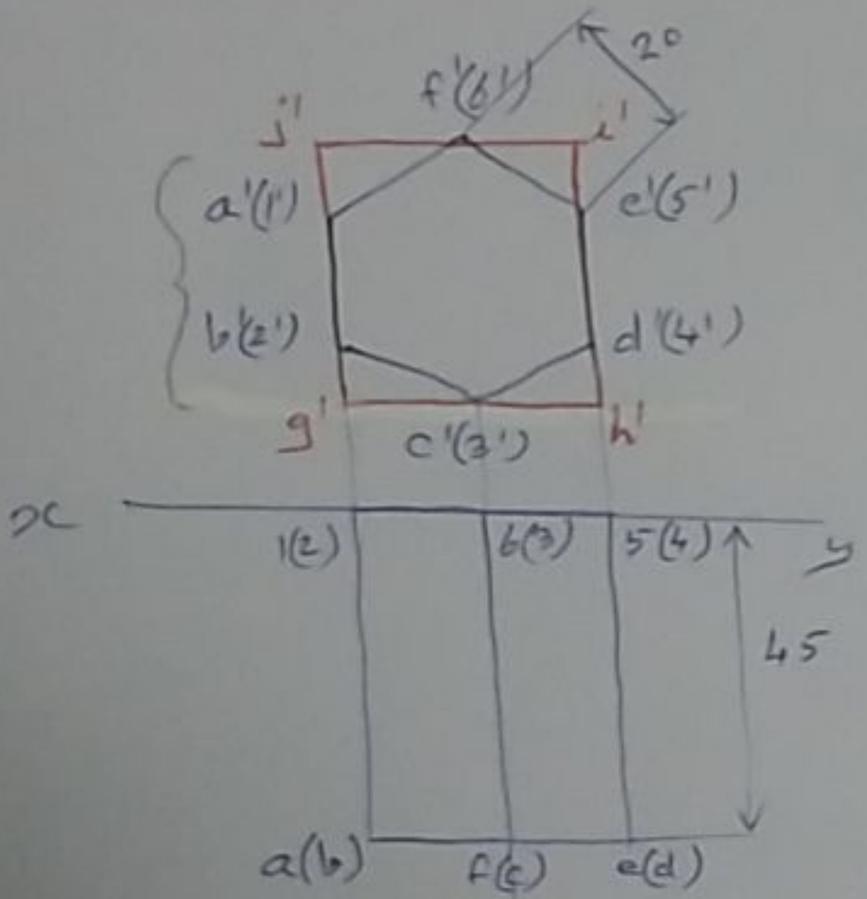
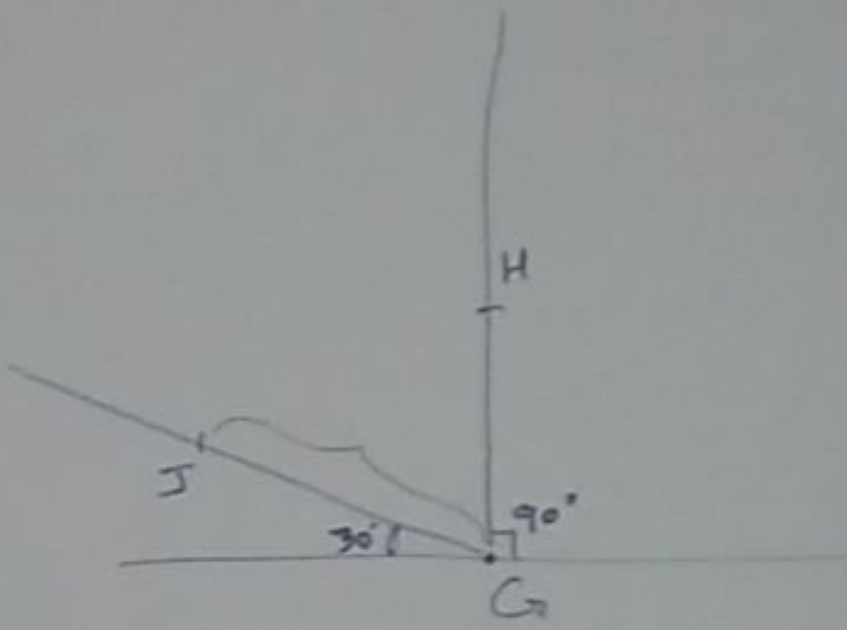
Isometric View



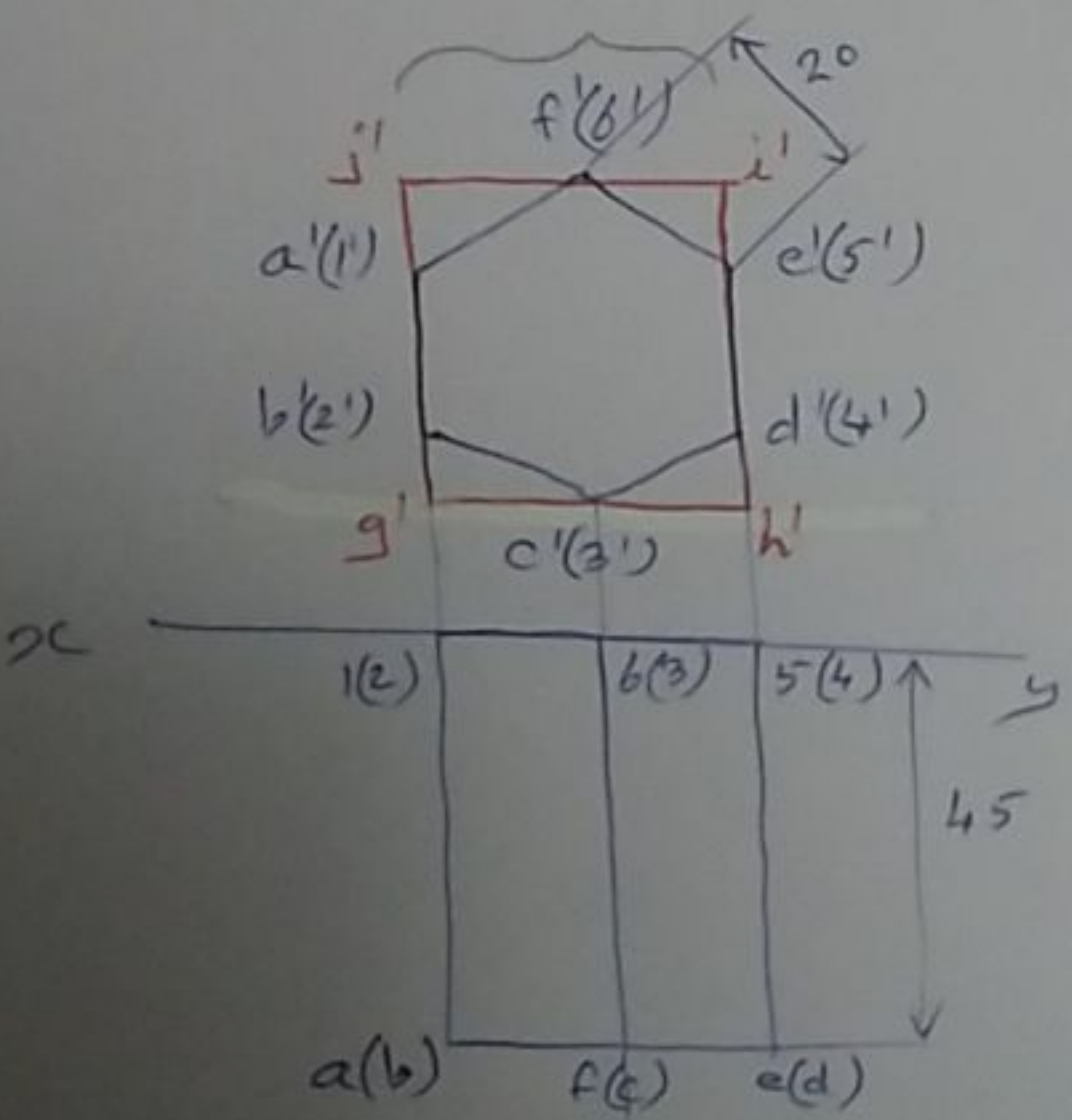


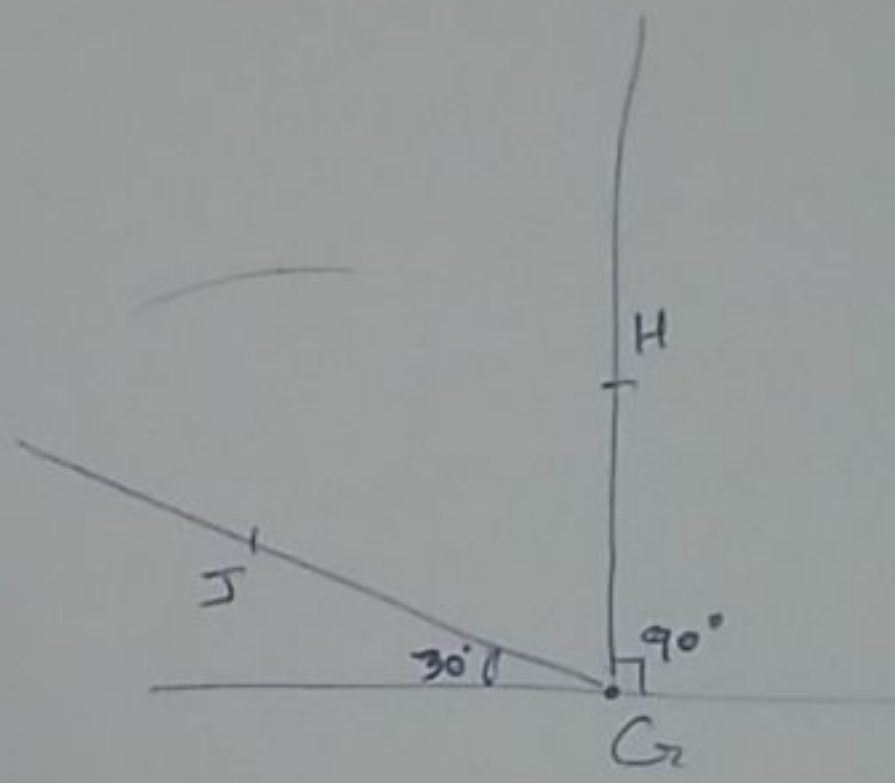
Isometric View



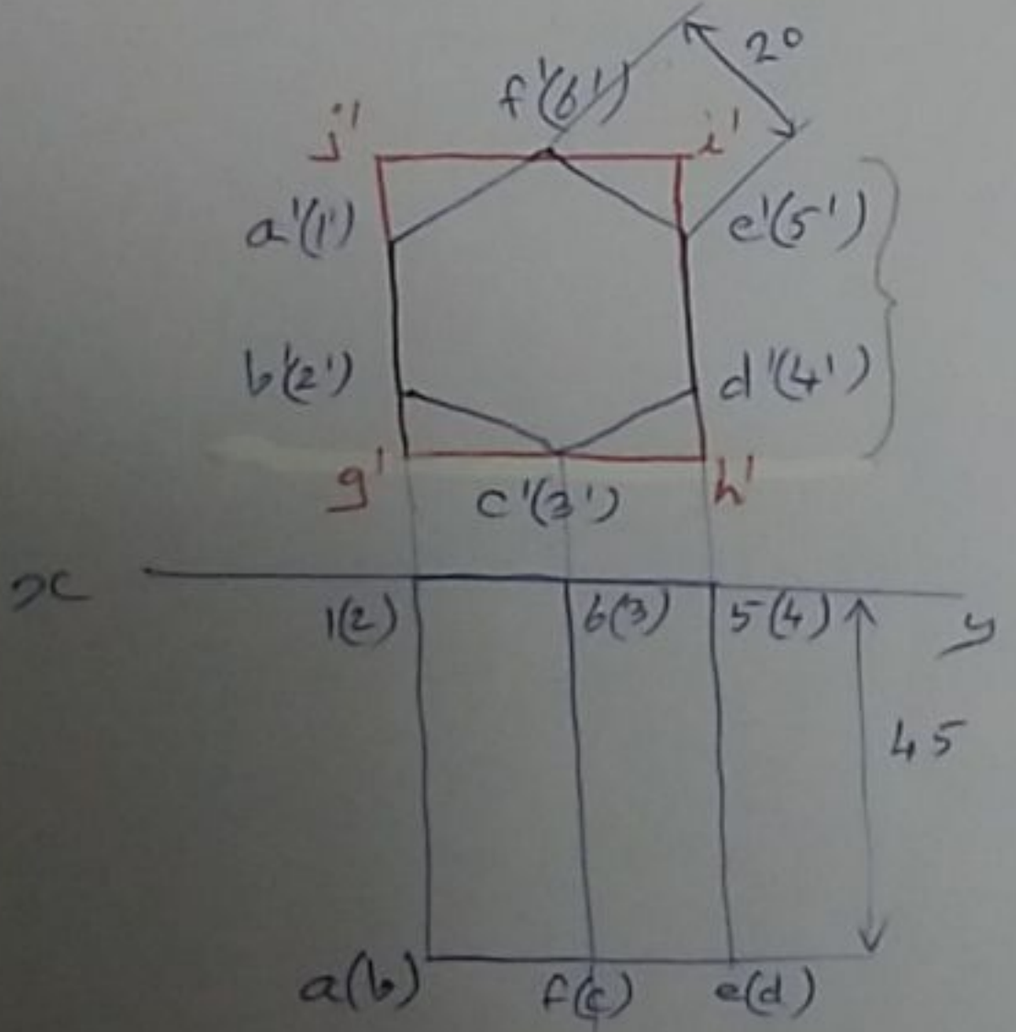


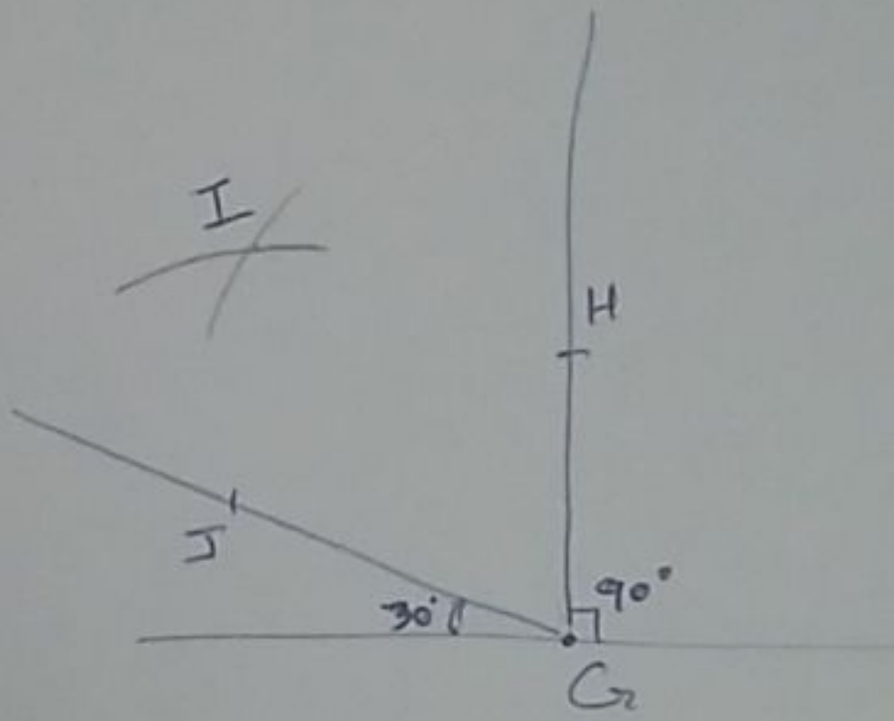
Isometric View





Isometric View





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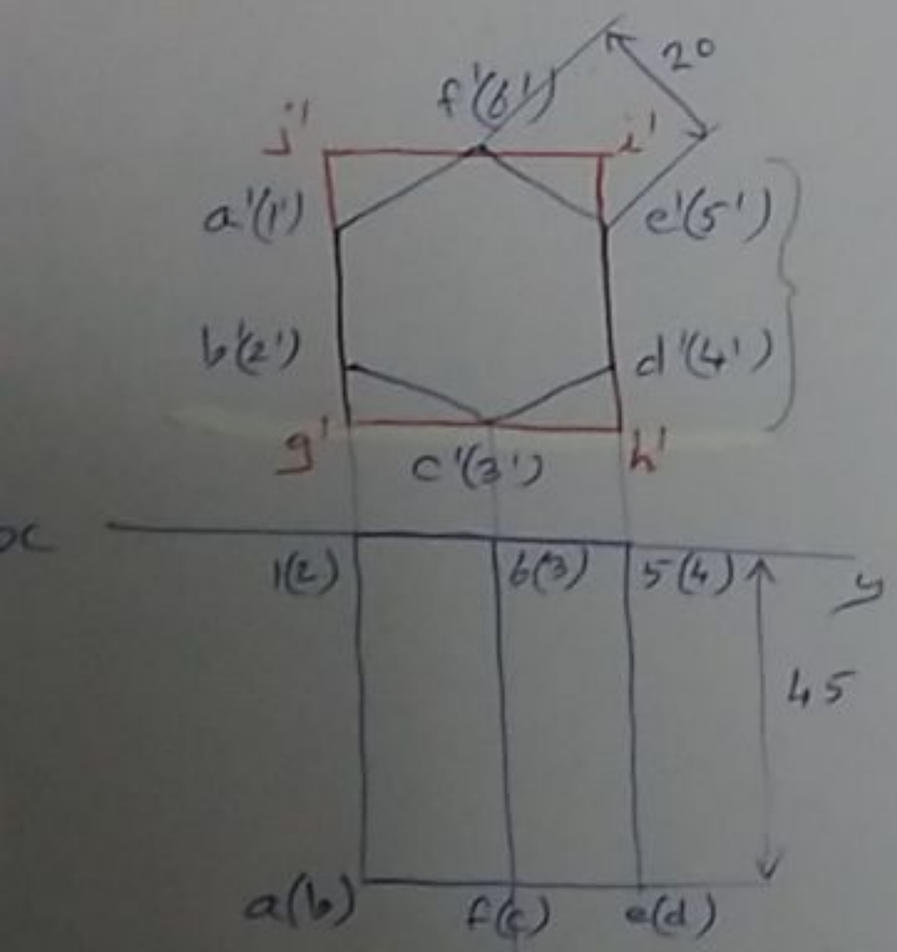

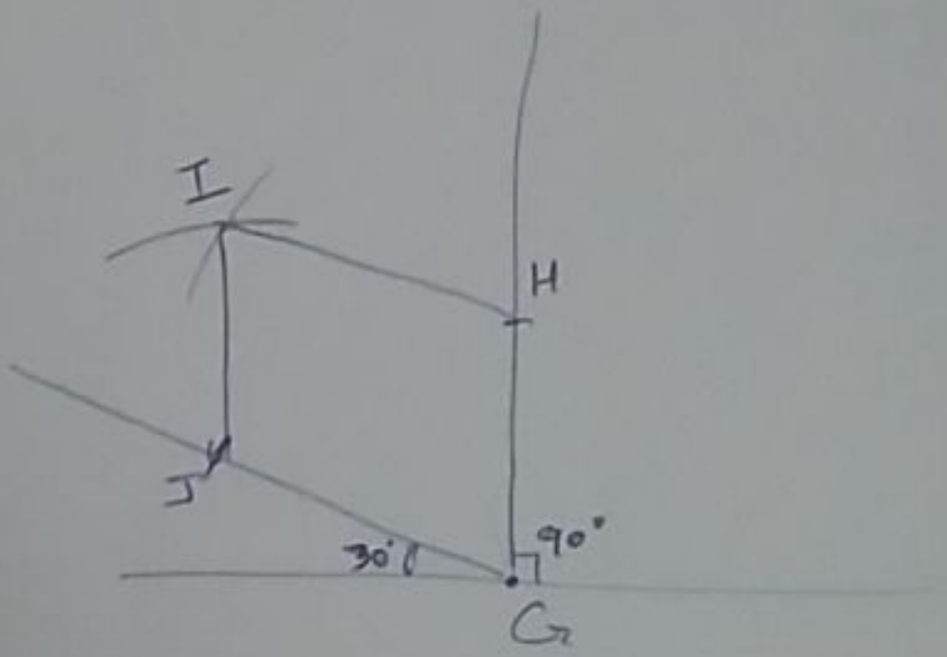

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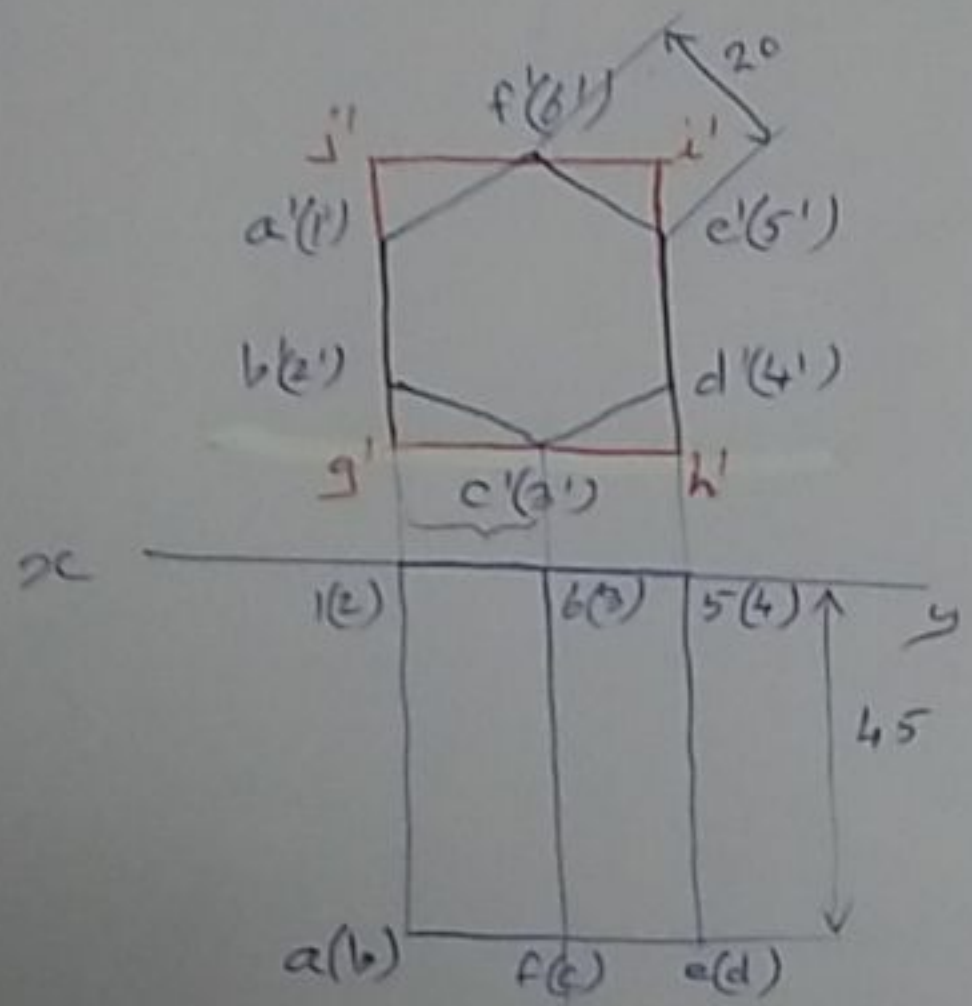

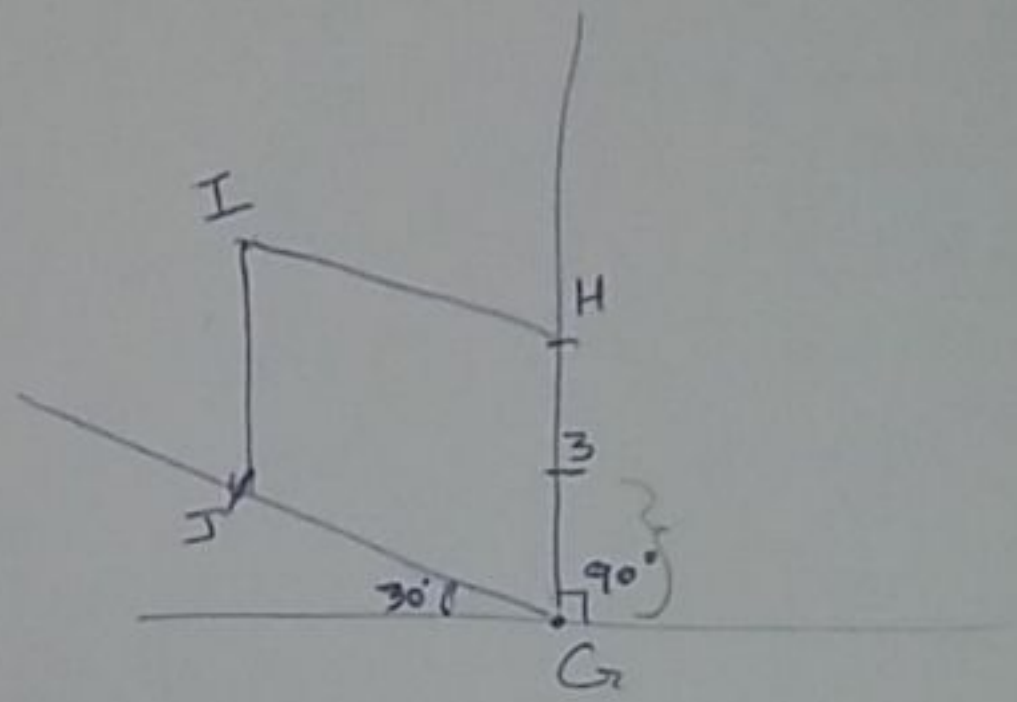

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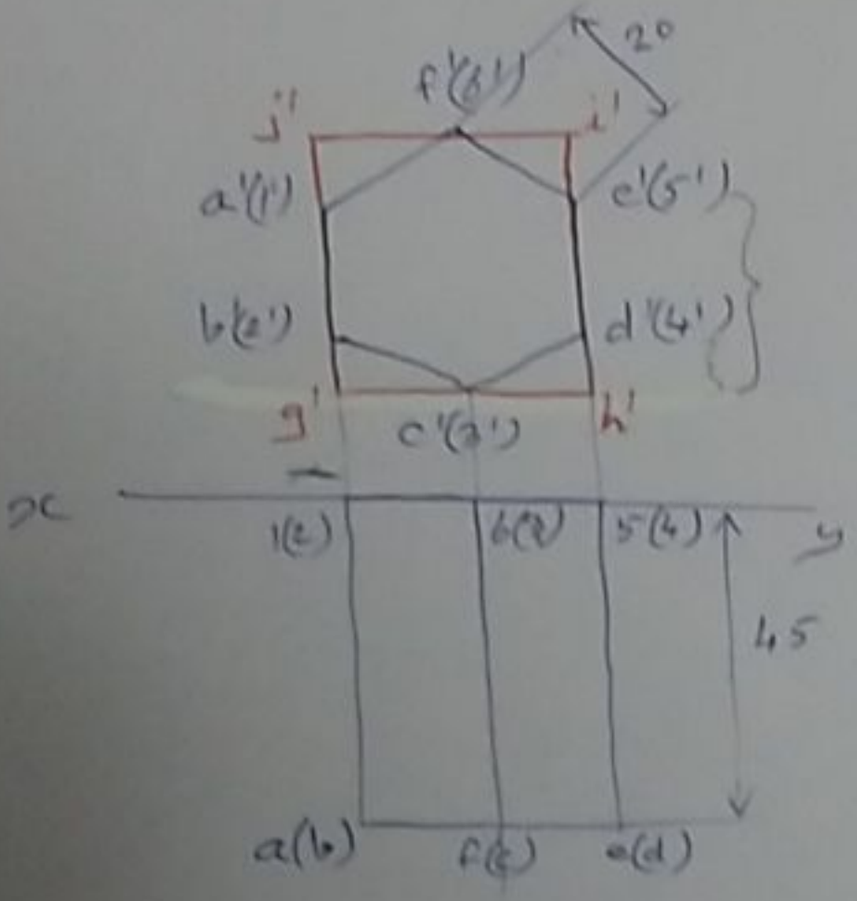

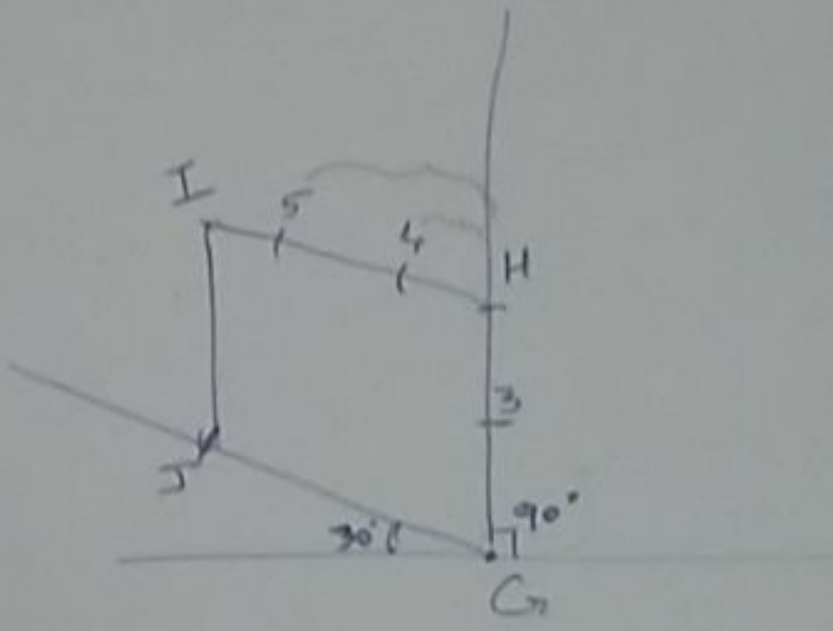

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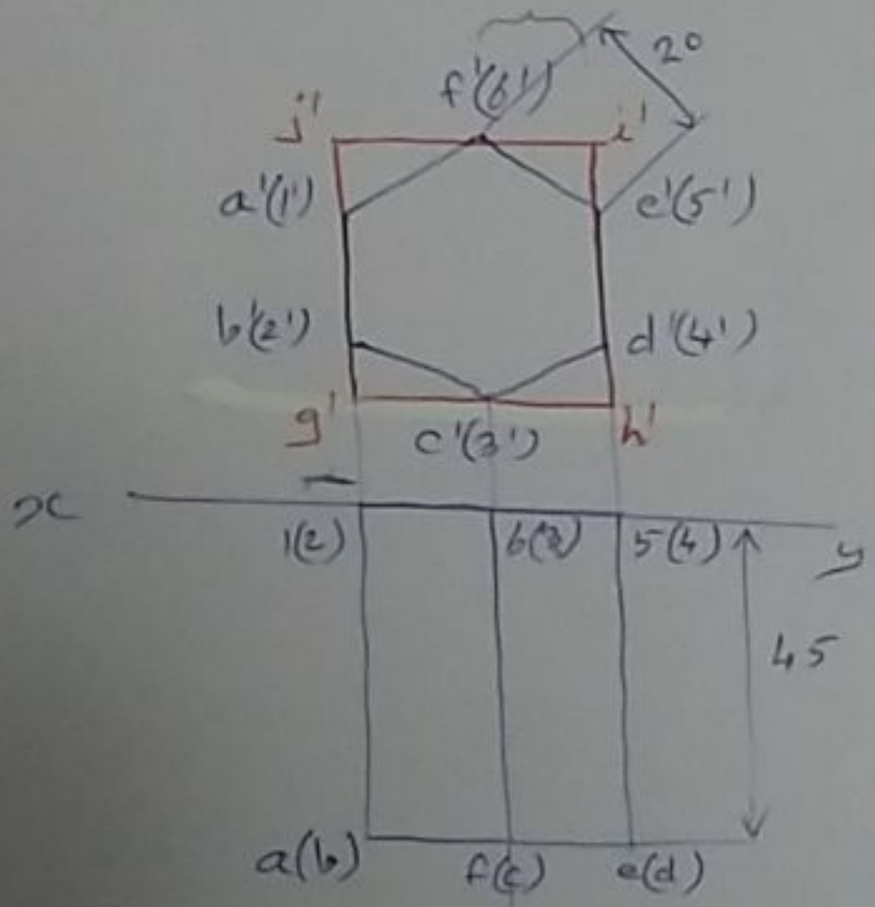
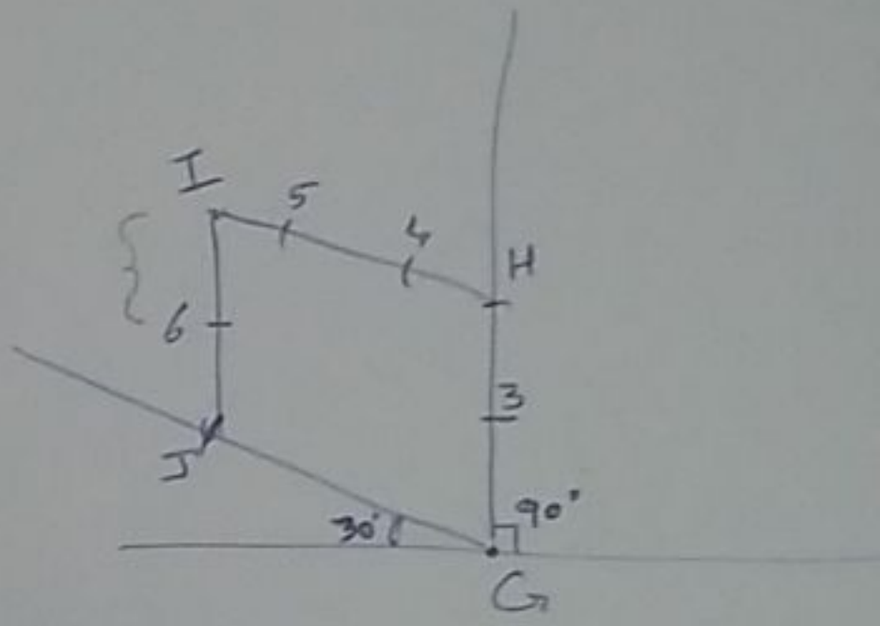
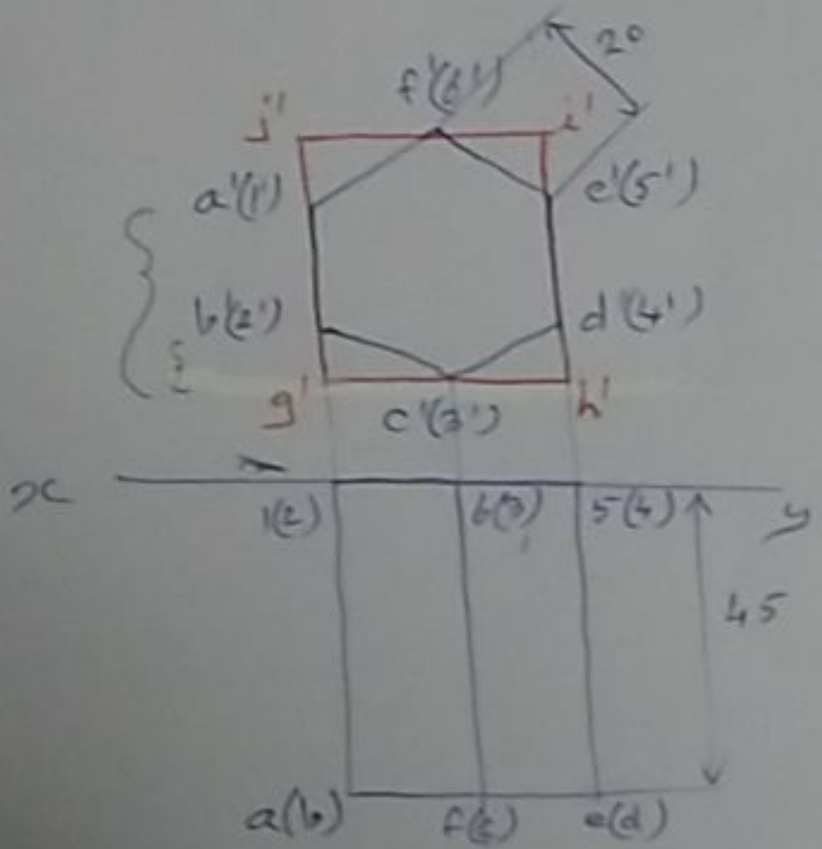
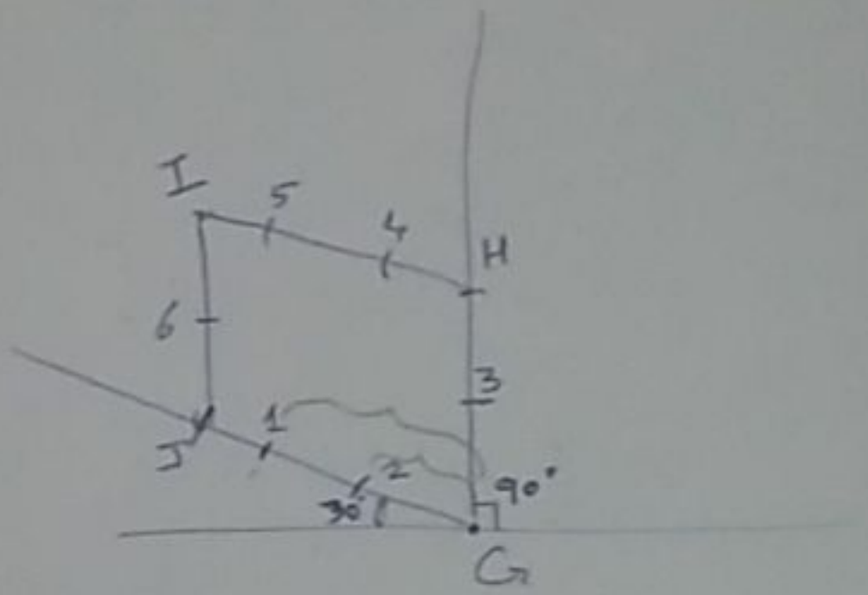


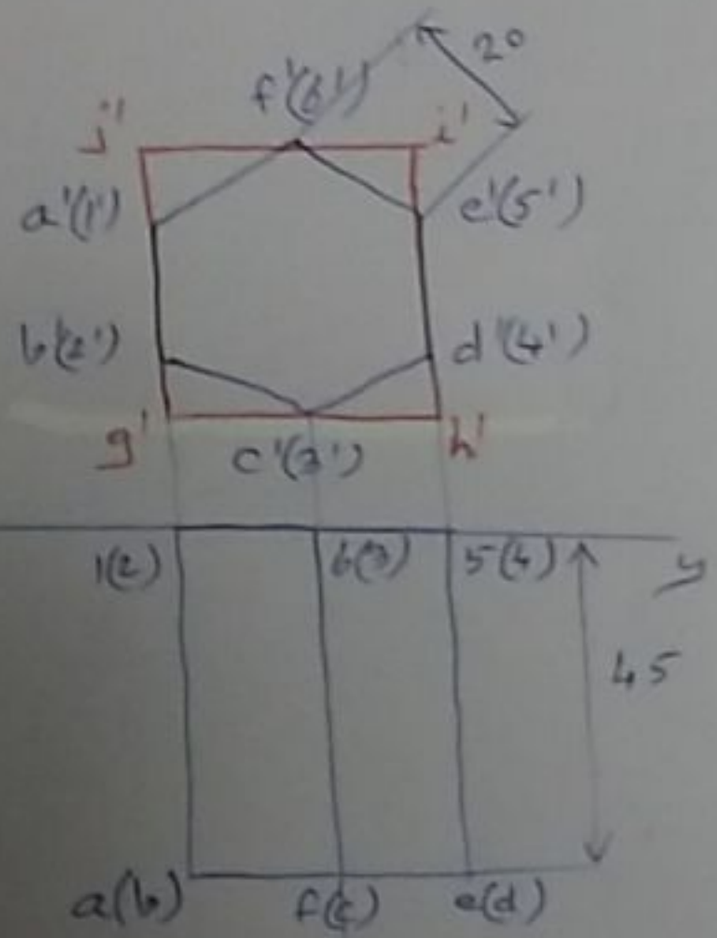


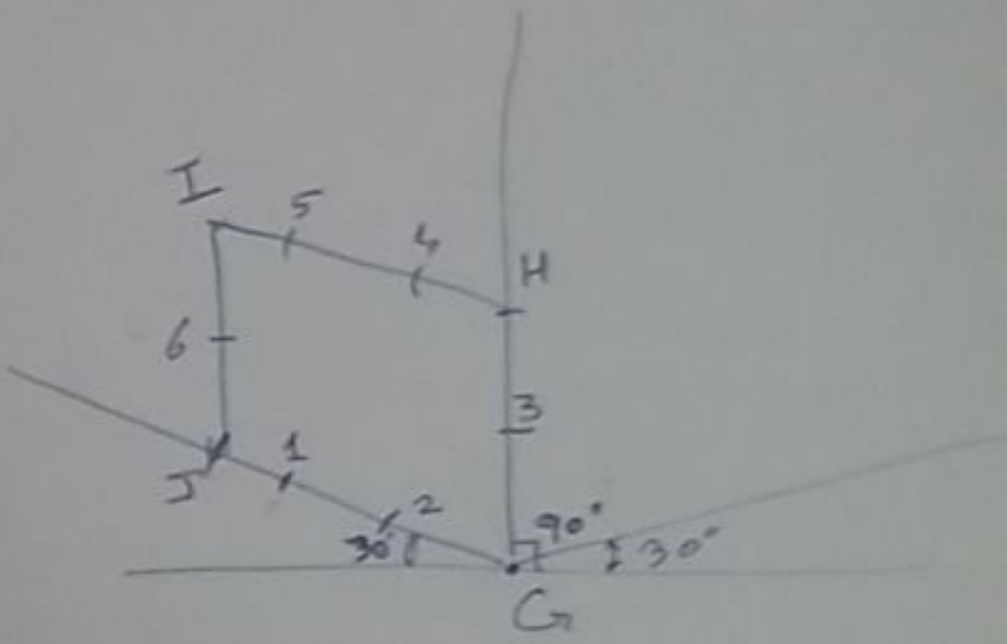
Isometric View



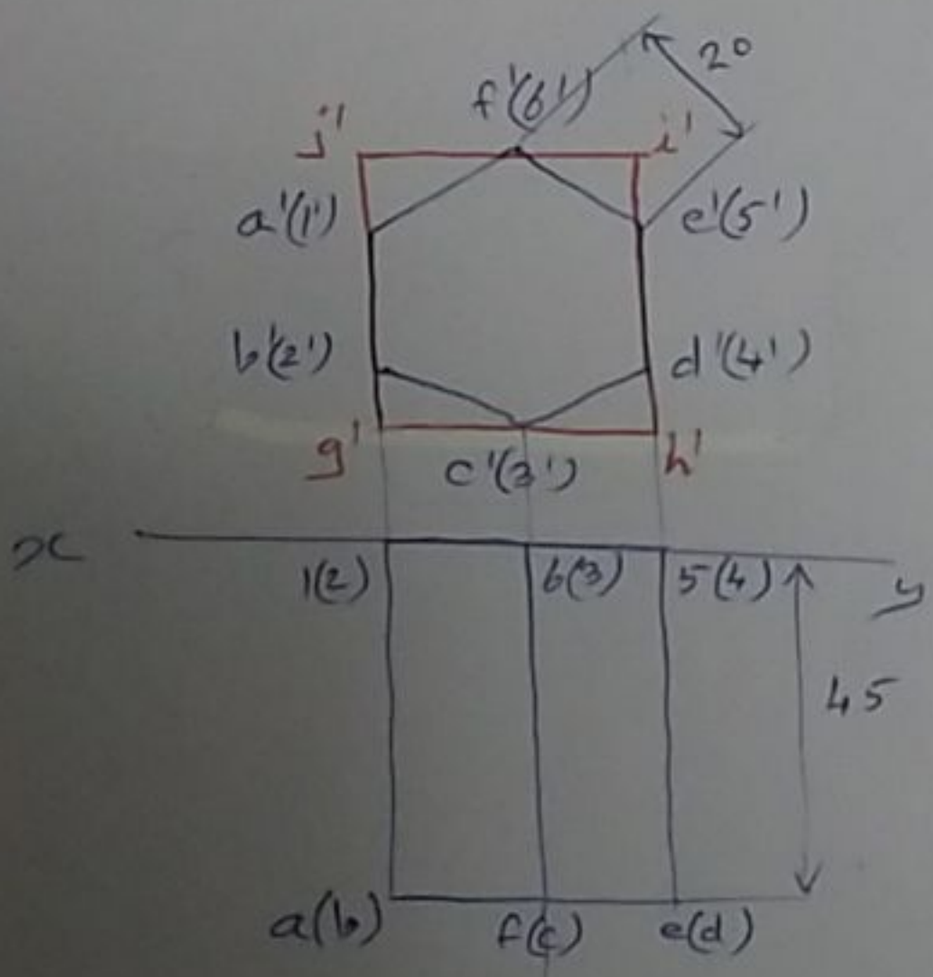


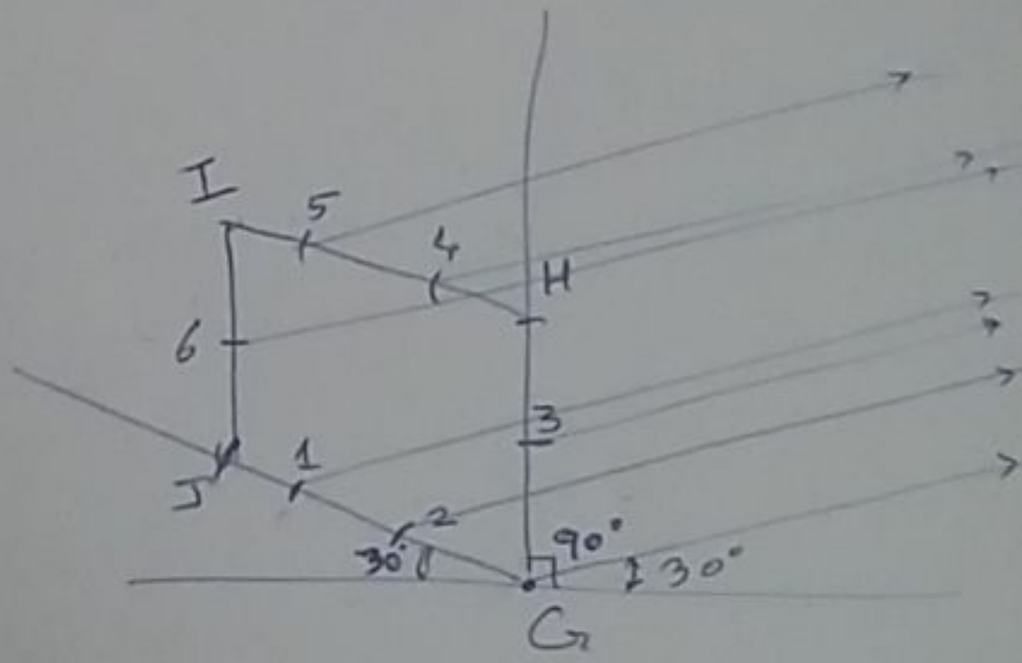
Isometric View



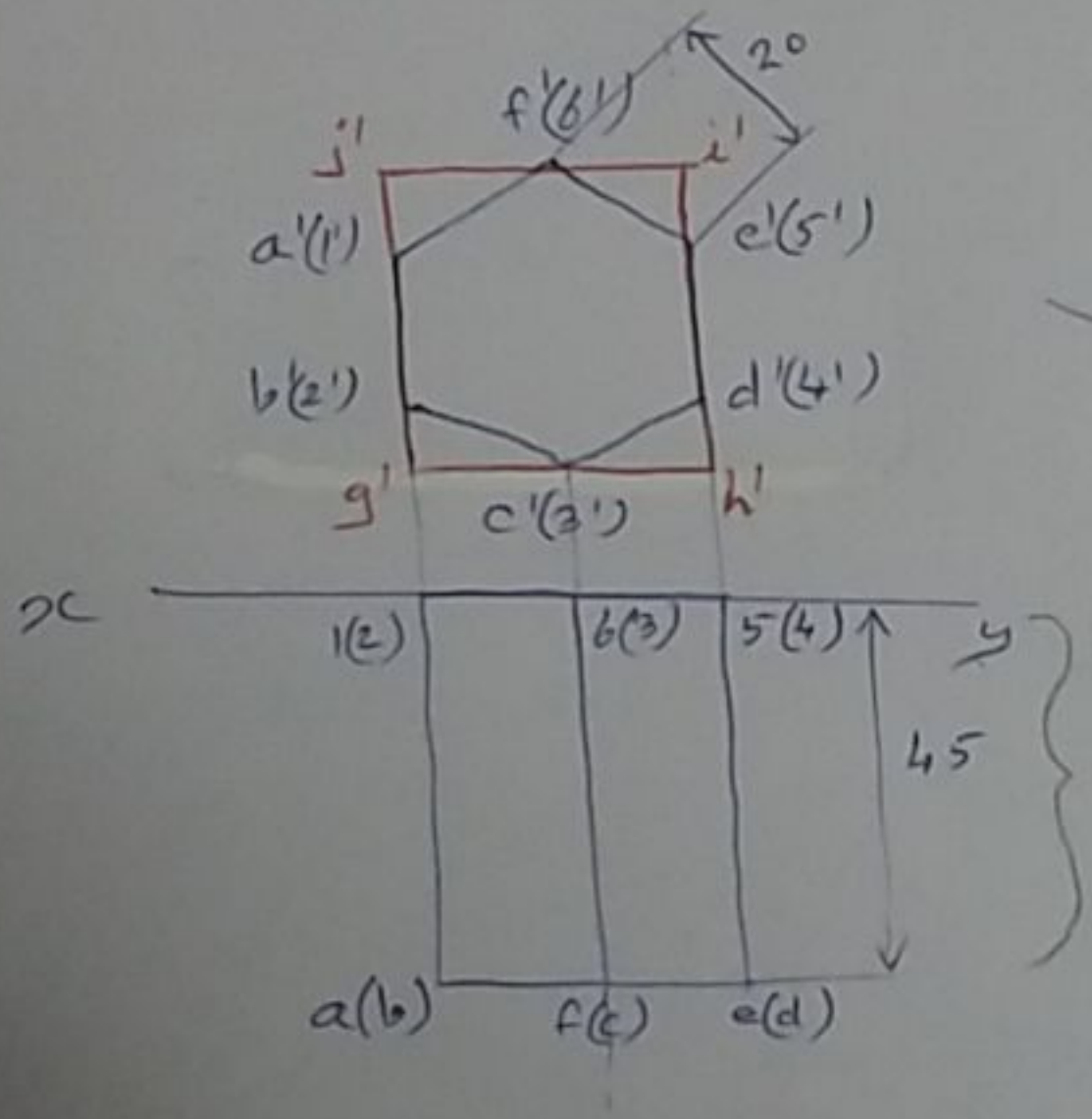


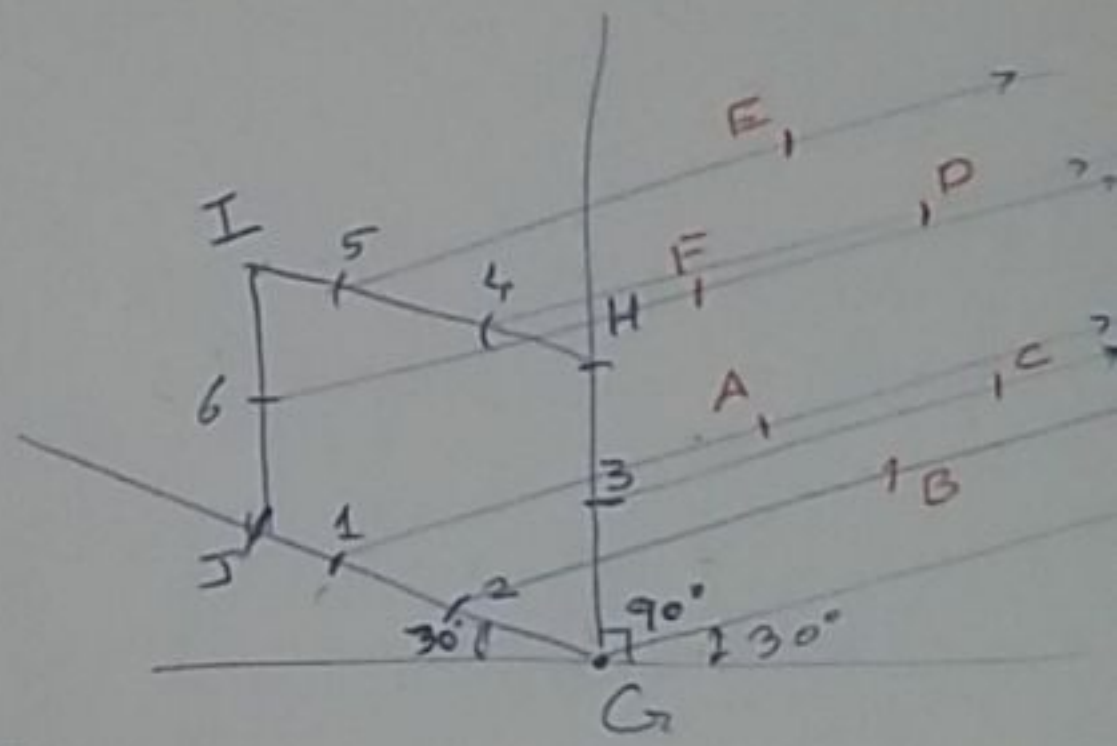
Isometric View



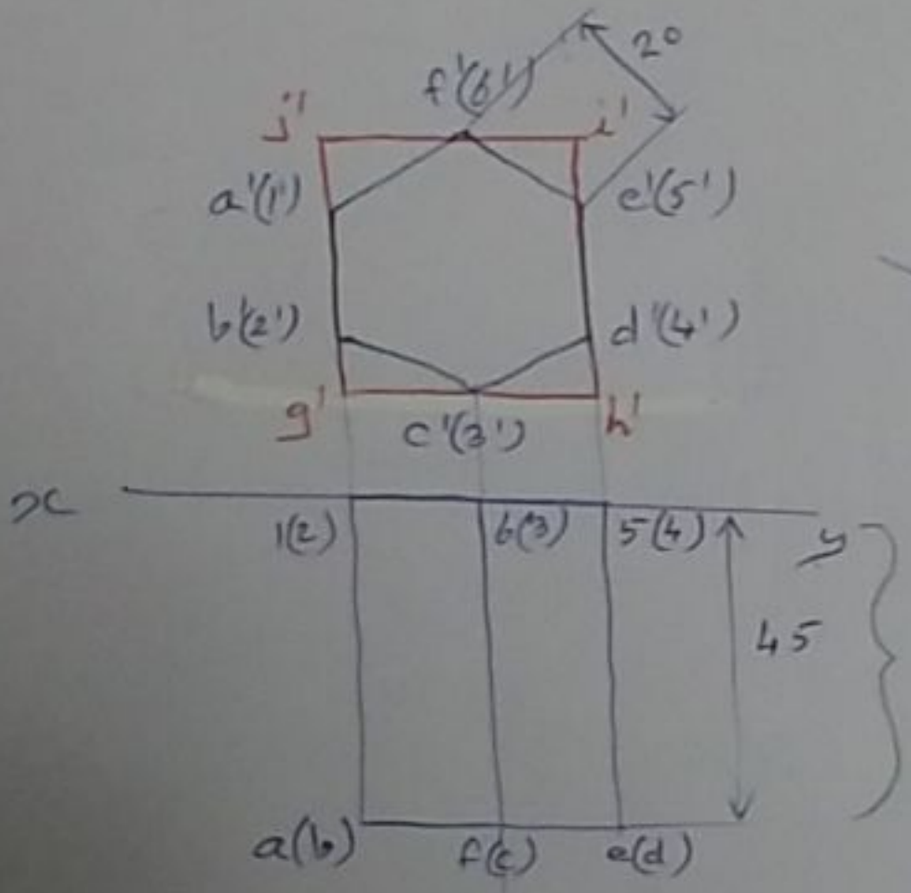


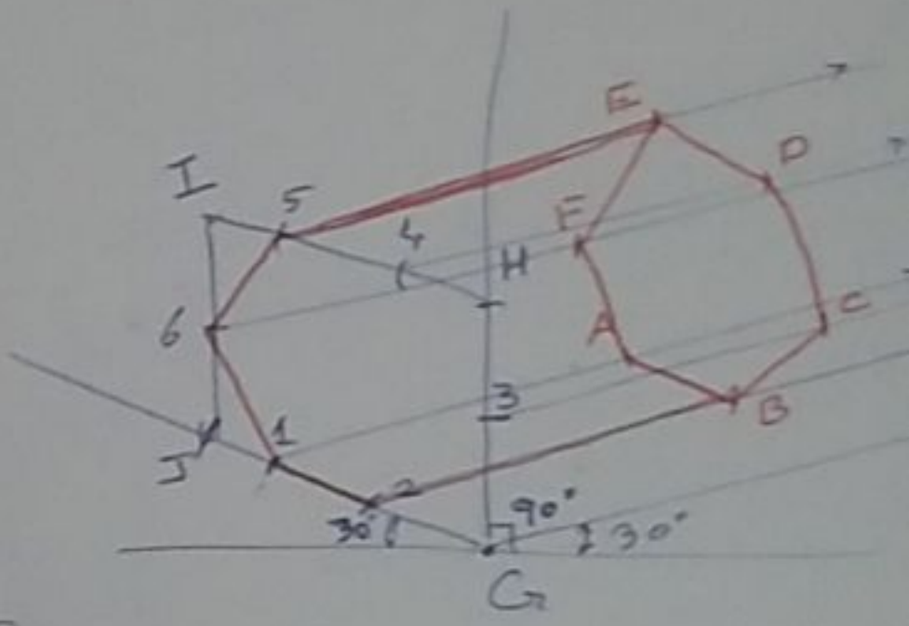
Isometric View



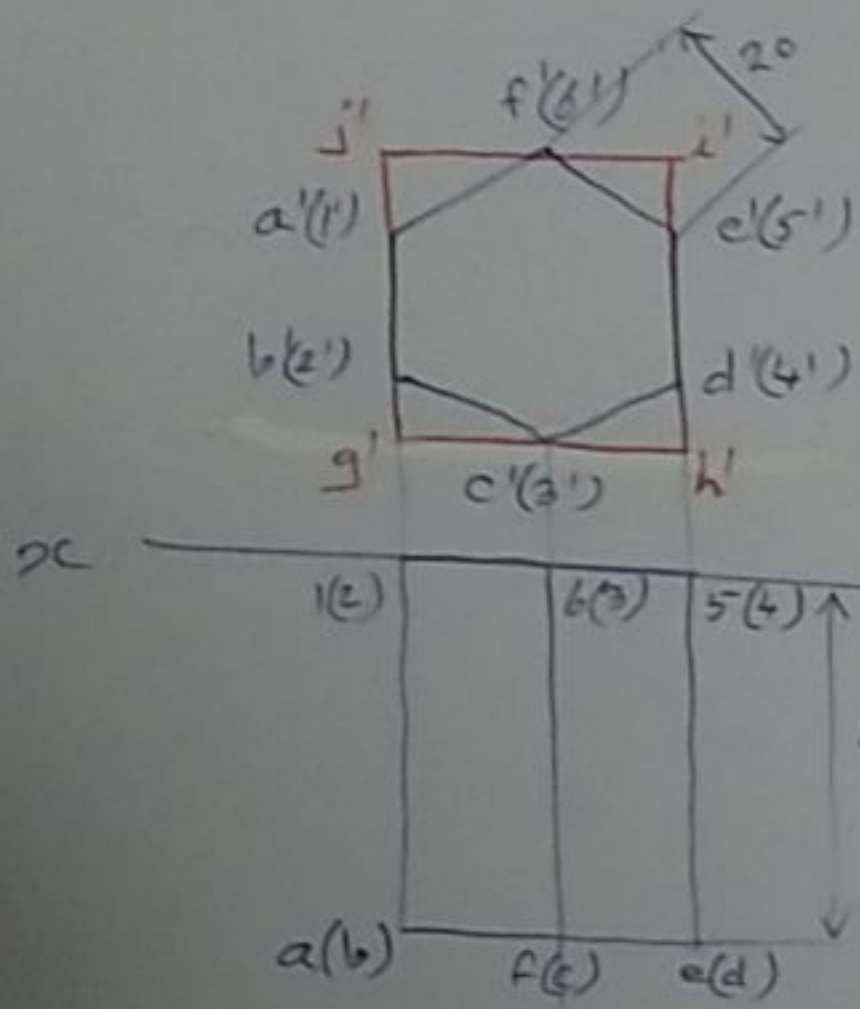


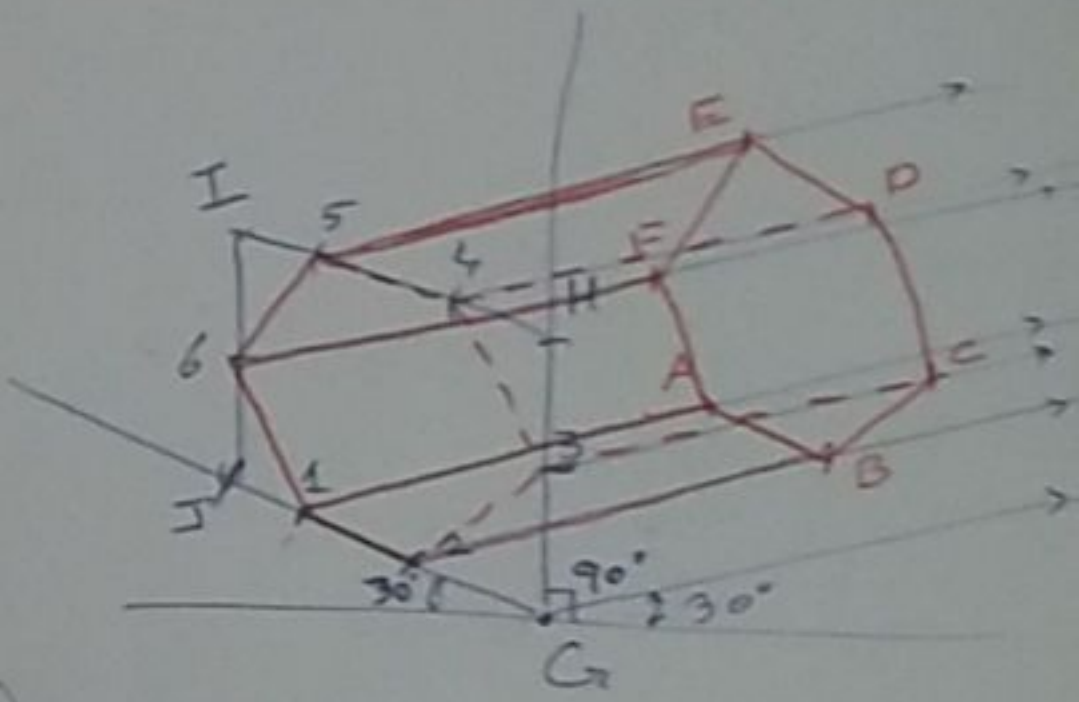
Isometric View



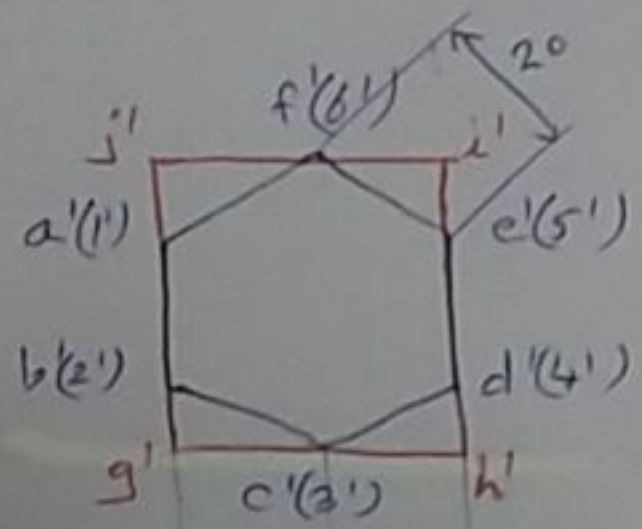


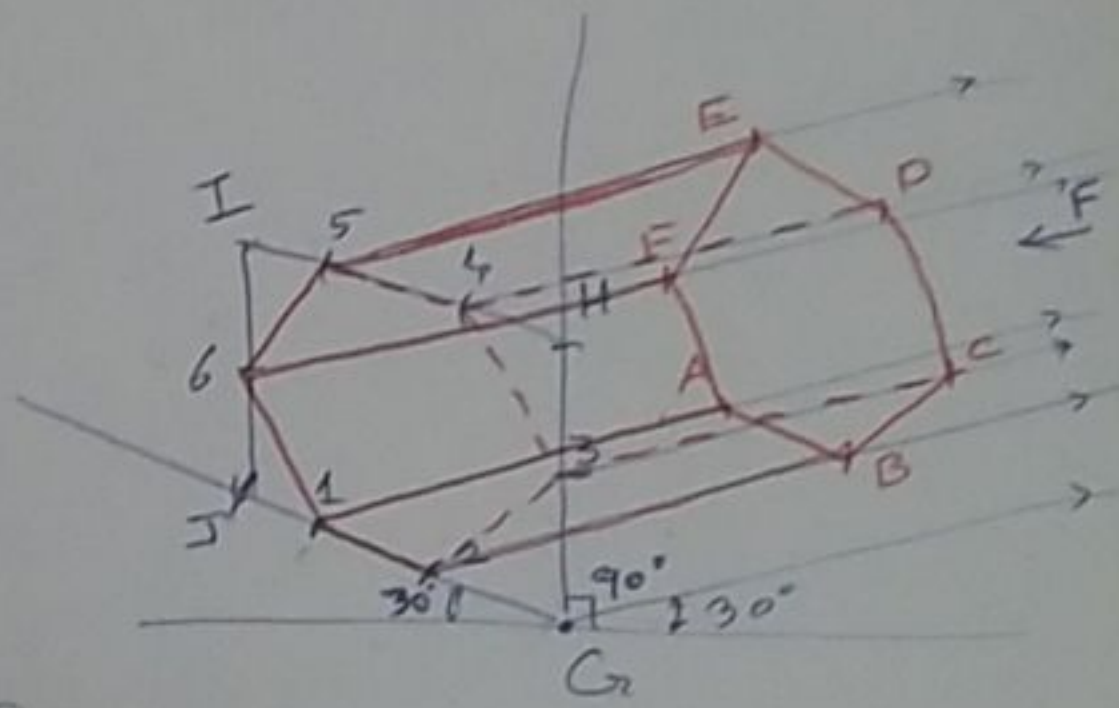
Isometric View

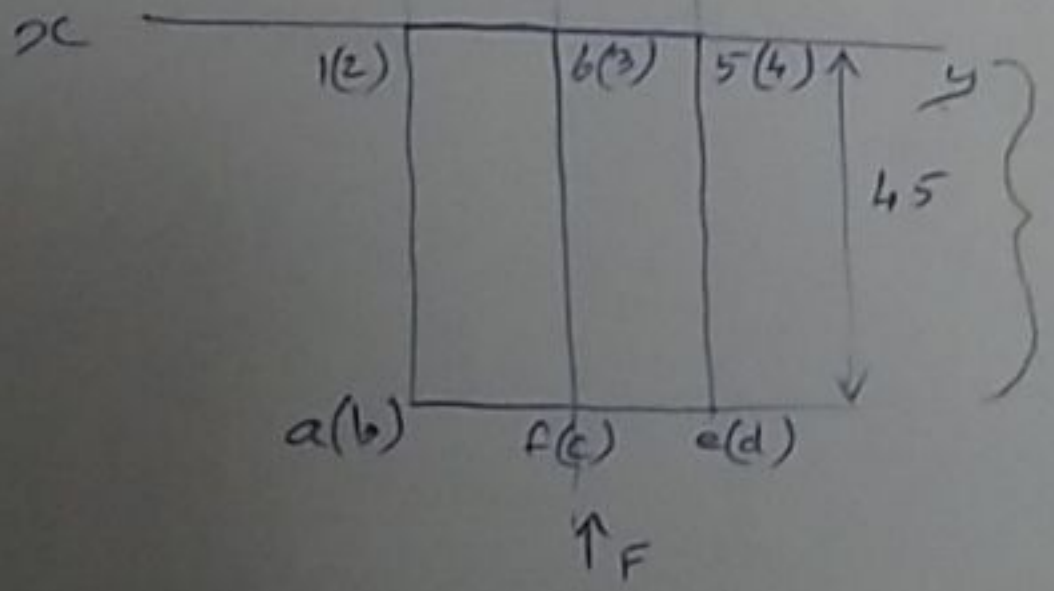




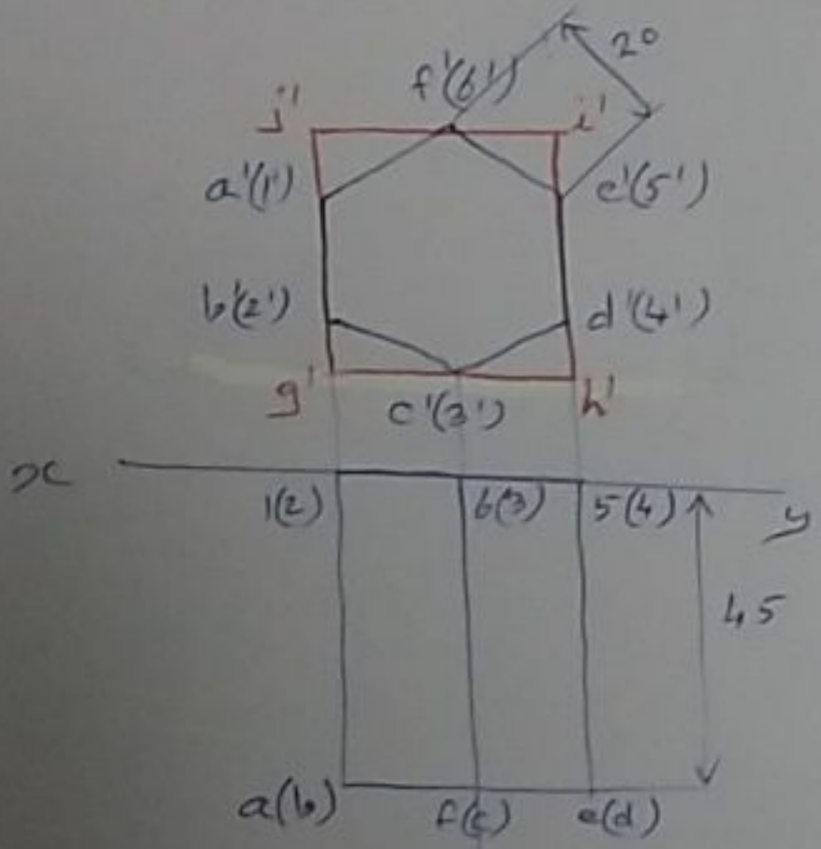
Isometric View



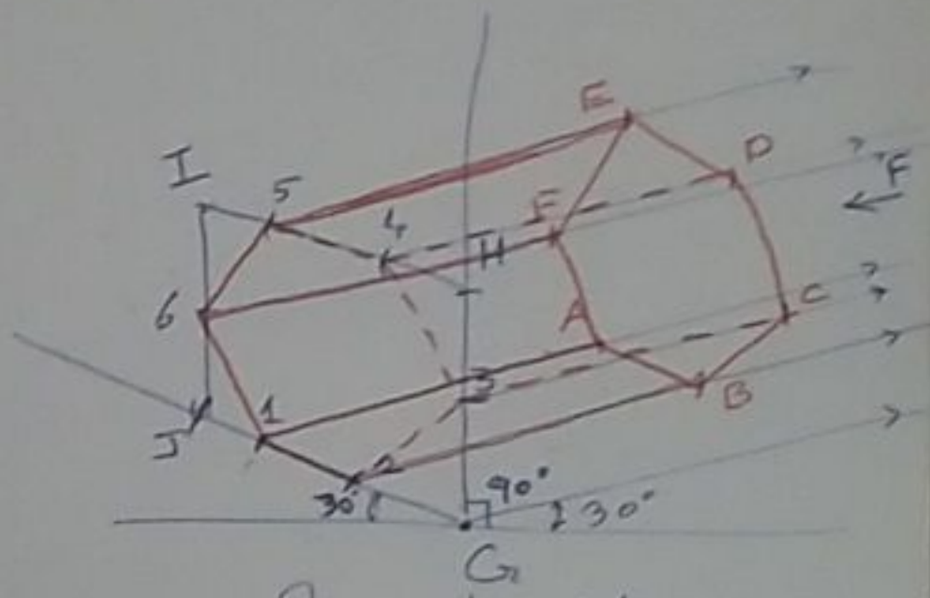




Isometric View

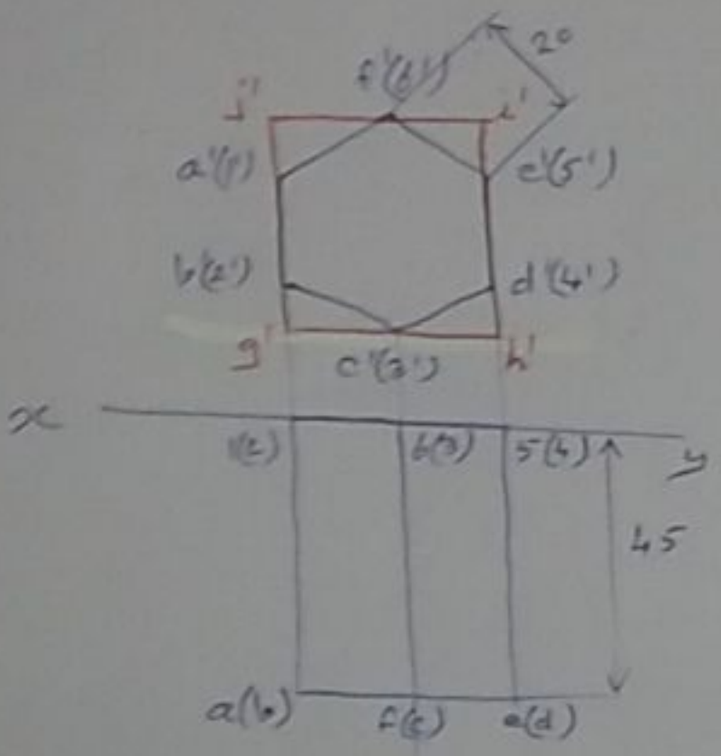


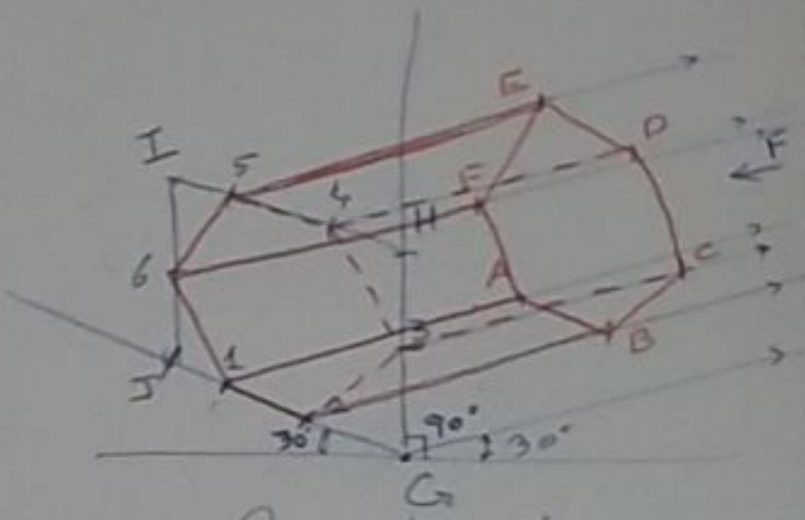
Orthographic projection



Isomtric View

Isometric View



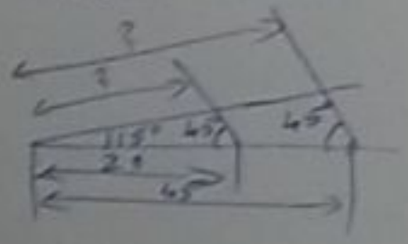


Isometric View

Orthographic projection

Isometric projection

Isometric Scale



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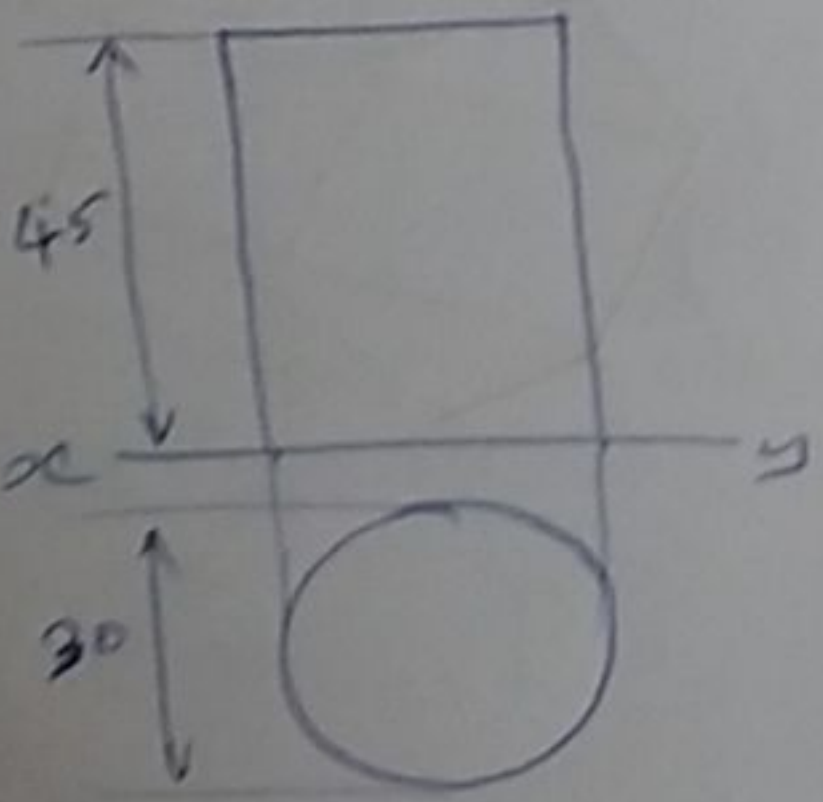
Orthographic projection using Iso. Scale

Isometric projection.

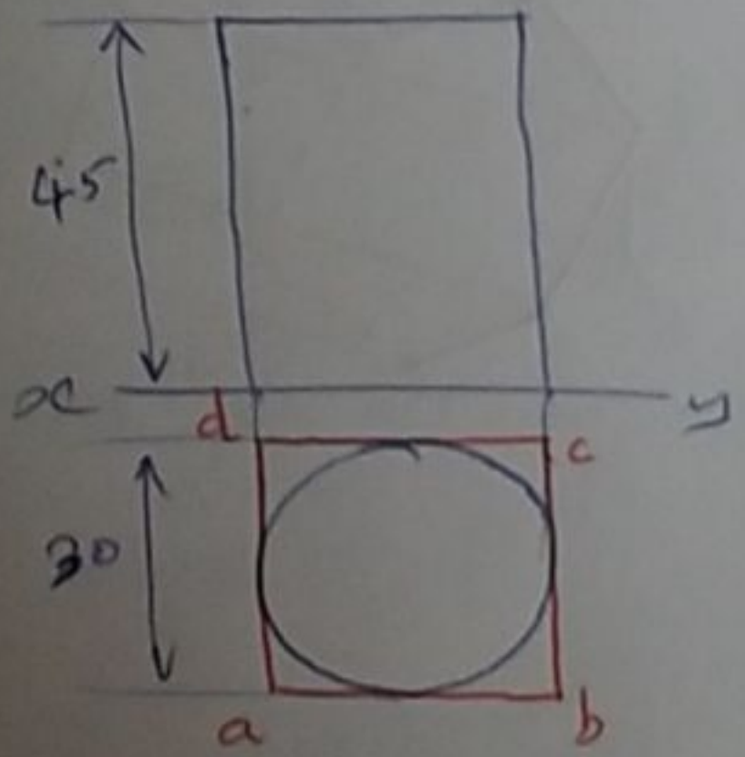
Draw the isometric View of a cylinder having dia. 30mm & ht. 45mm when it is resting on its base on ① H.P ② V.P.

Note:- To draw the isometric figure of a circular section we can use 4 centre Approximate method.

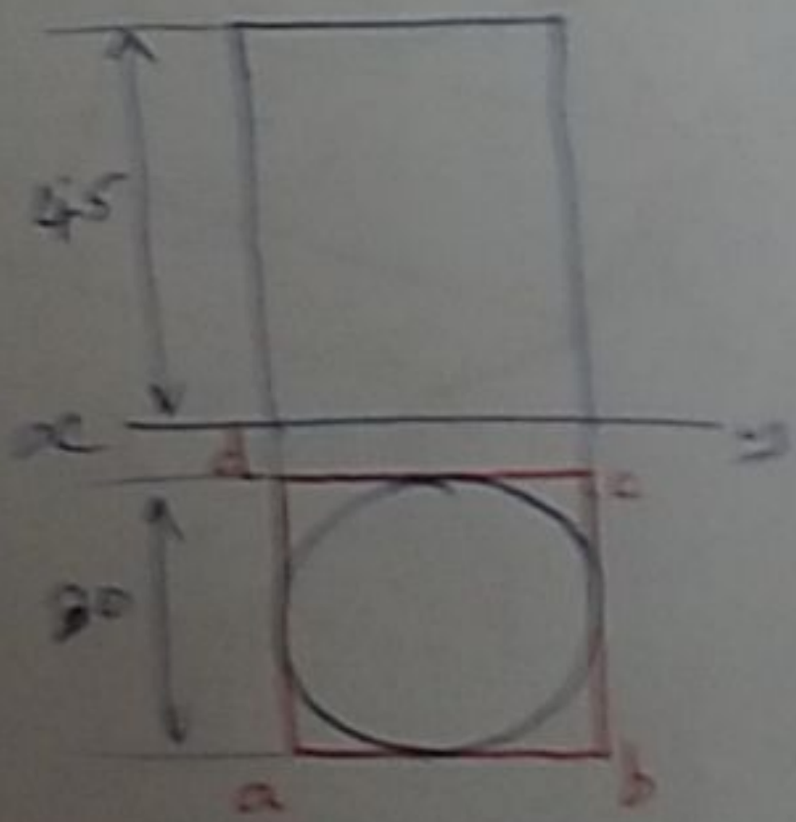
① Resting on its base on H.P

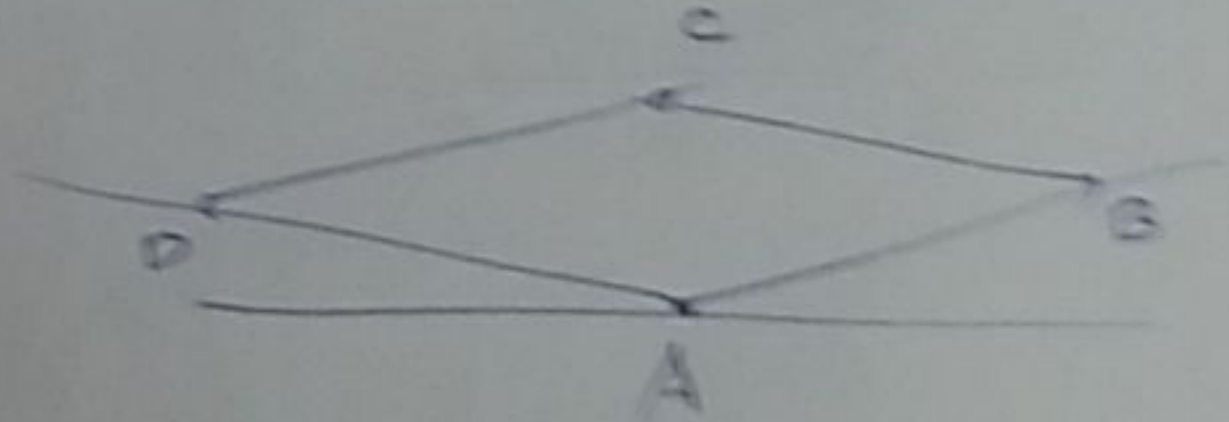


① Resting on its base on H.P

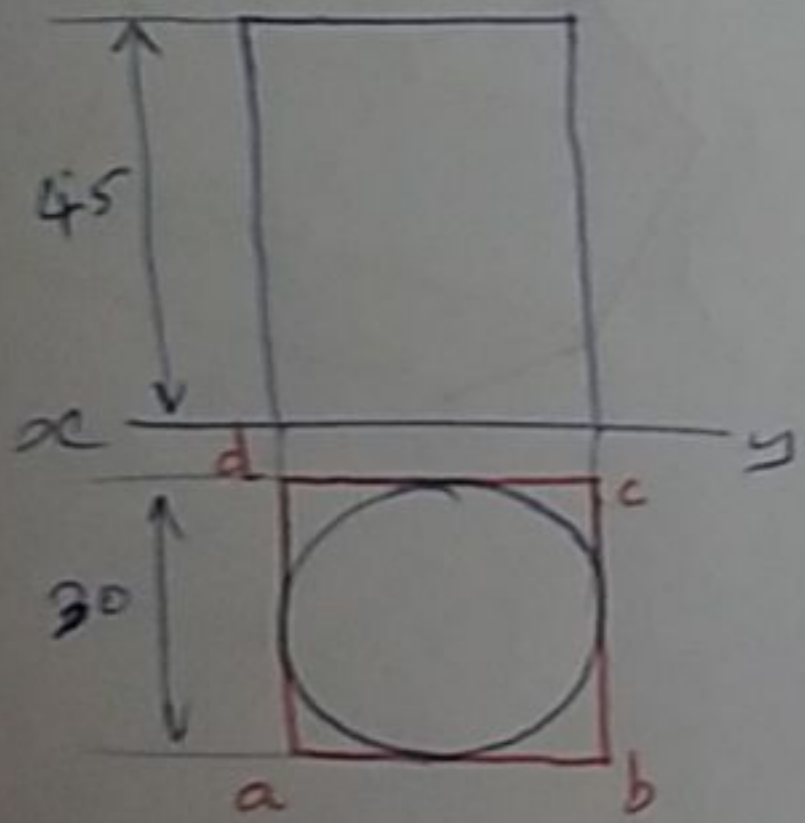


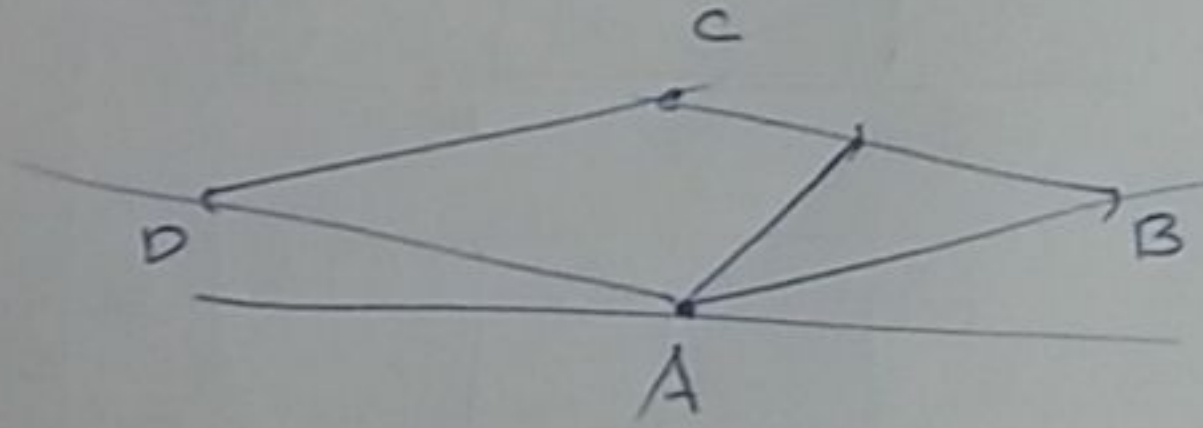
① Rotary on it base on H.P



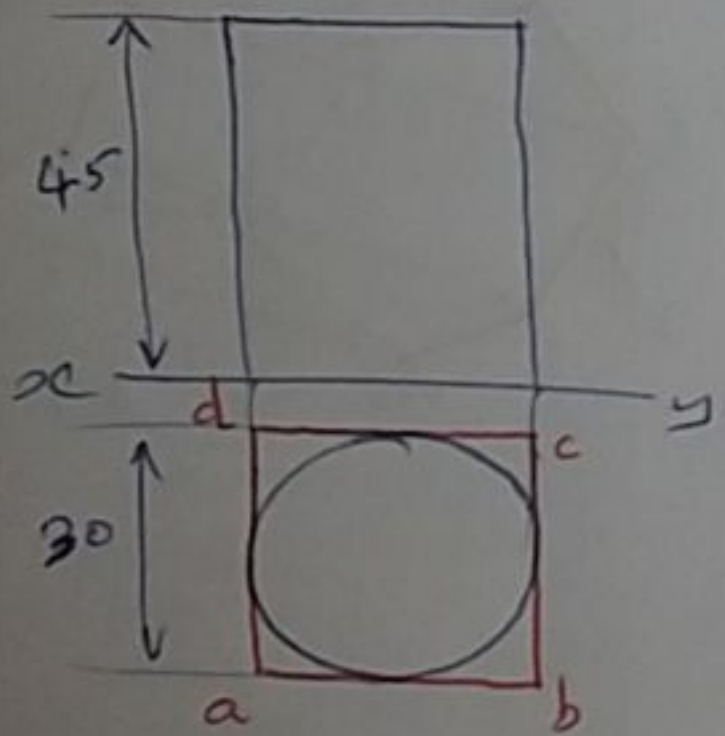


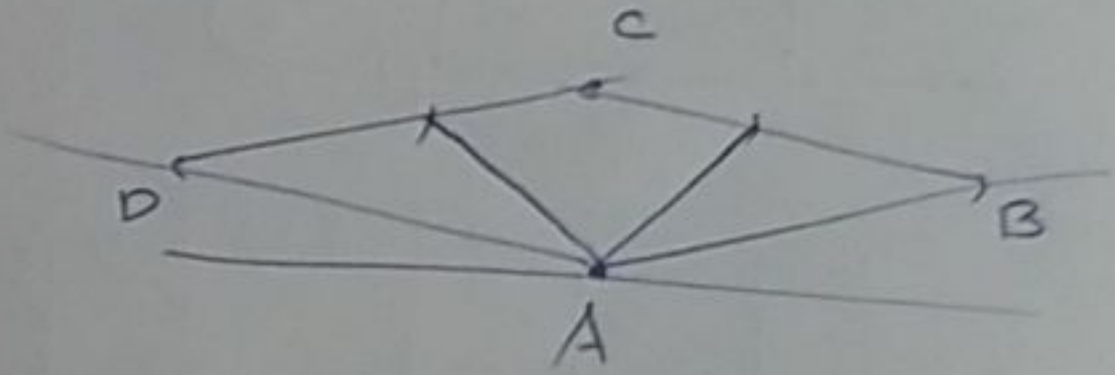
① Resting on its base on H.P



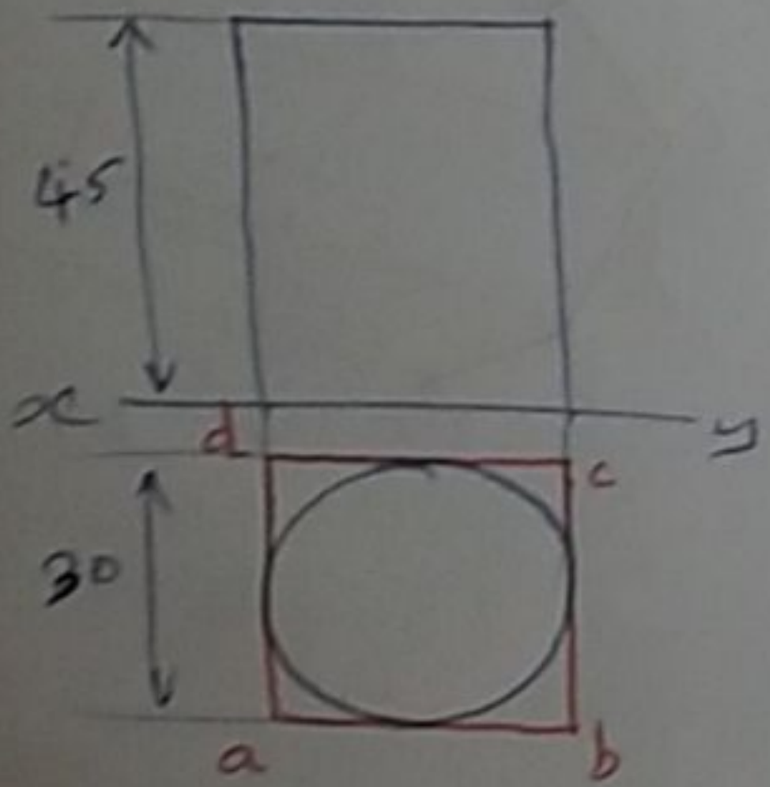


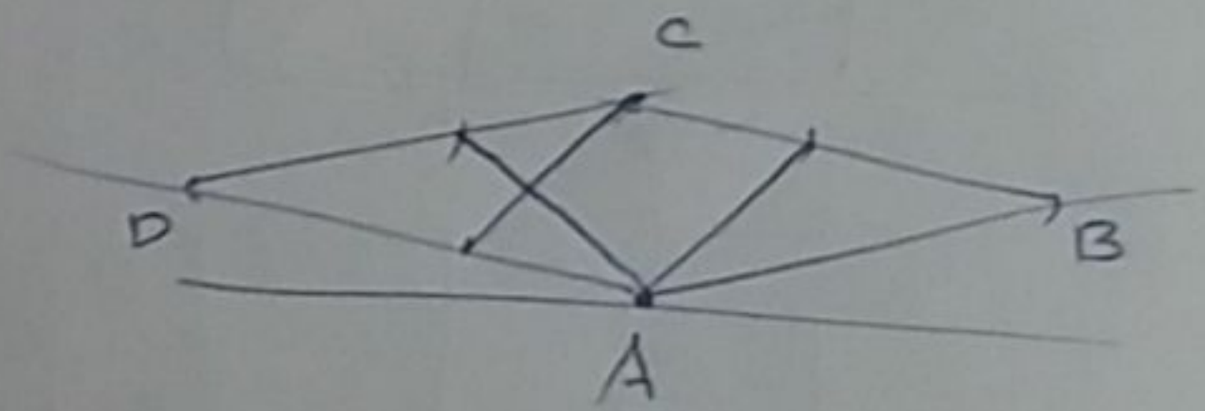
① Resting on its base on H.P



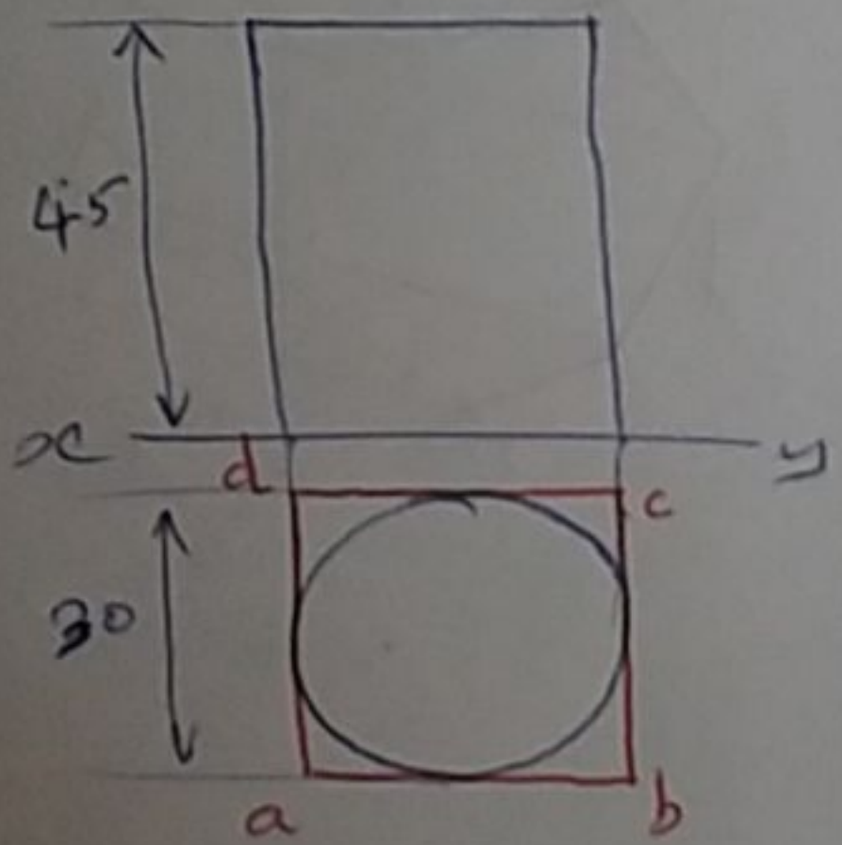


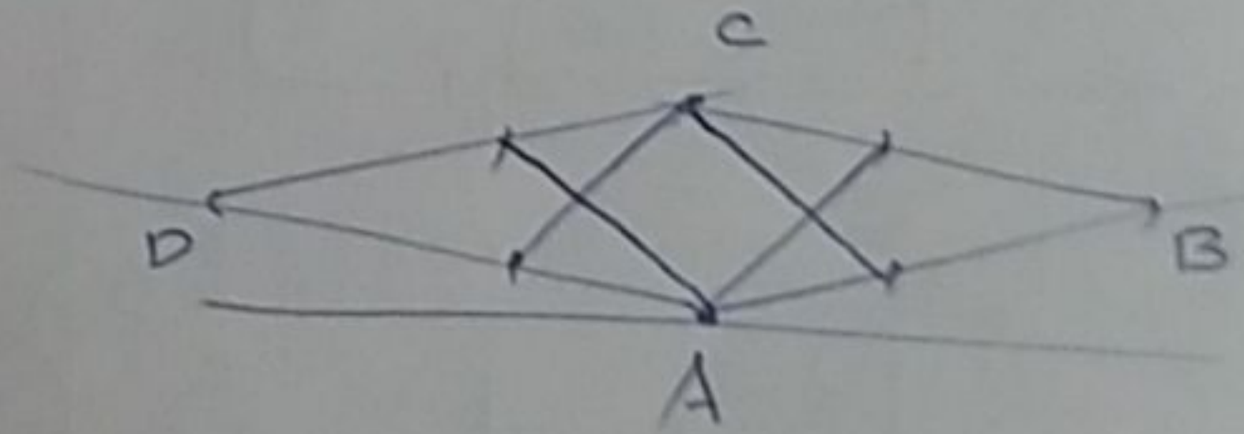
① Resting on its base on H.P



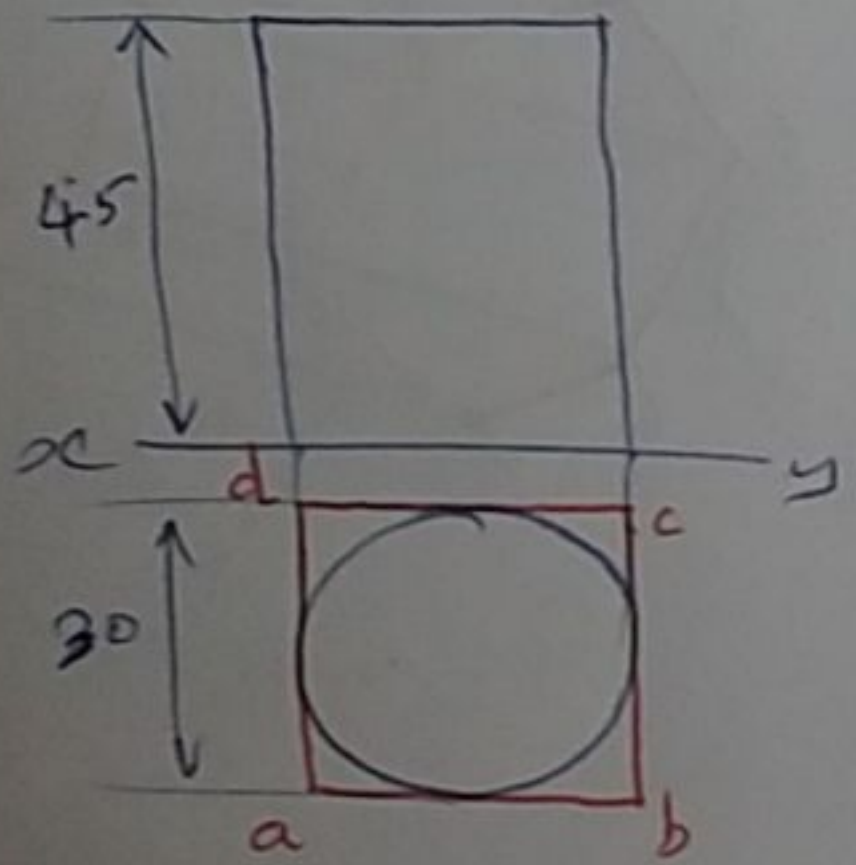


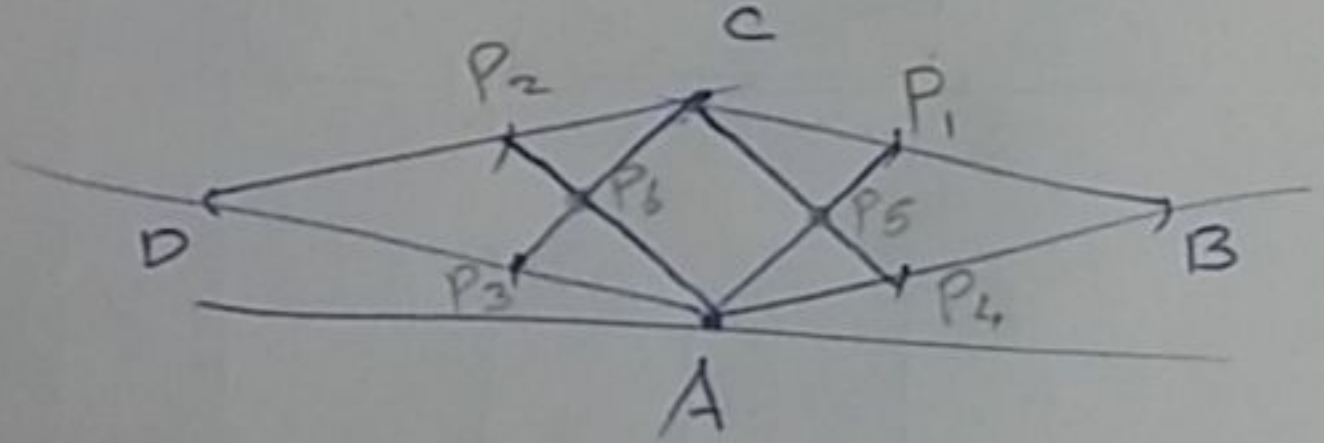
① Resting on its base on H.P



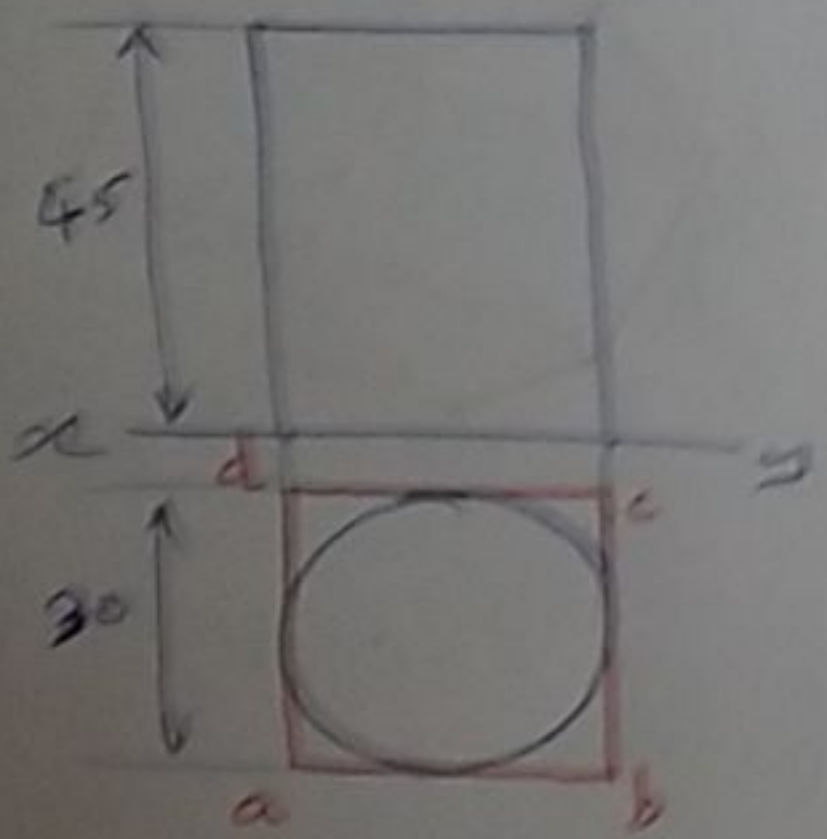


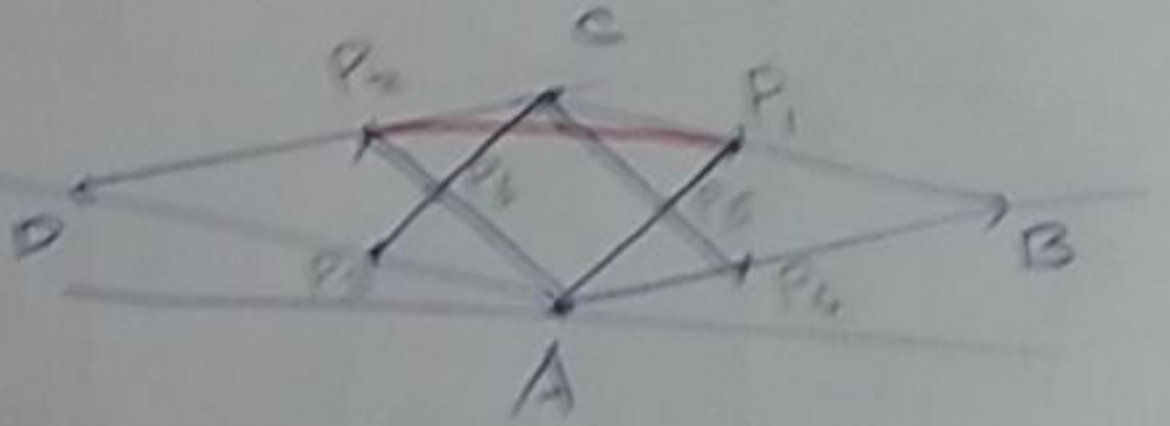
D Resting on its base on H.P





① Resting on its base on H.P





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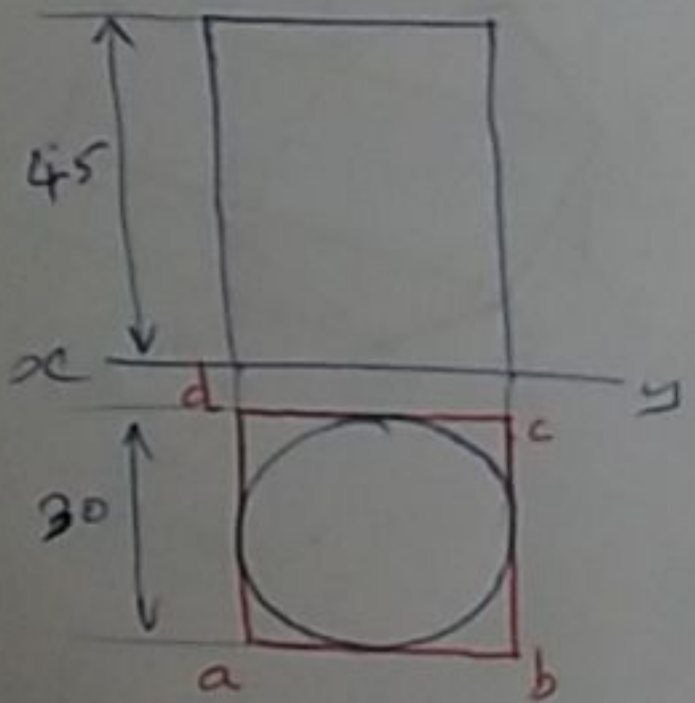

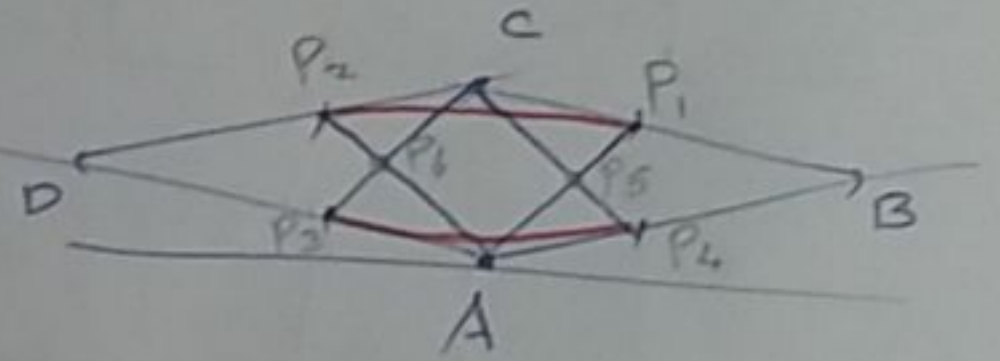

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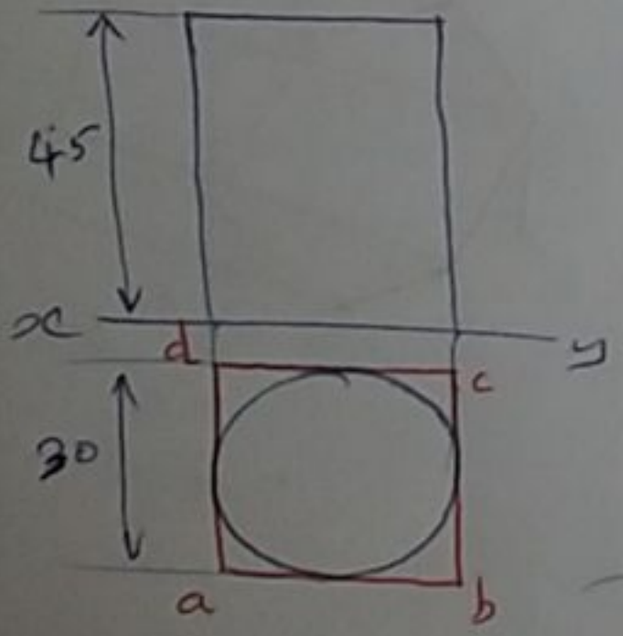

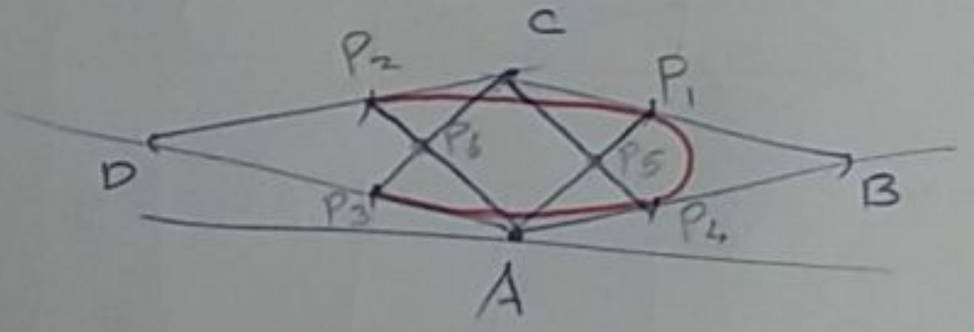

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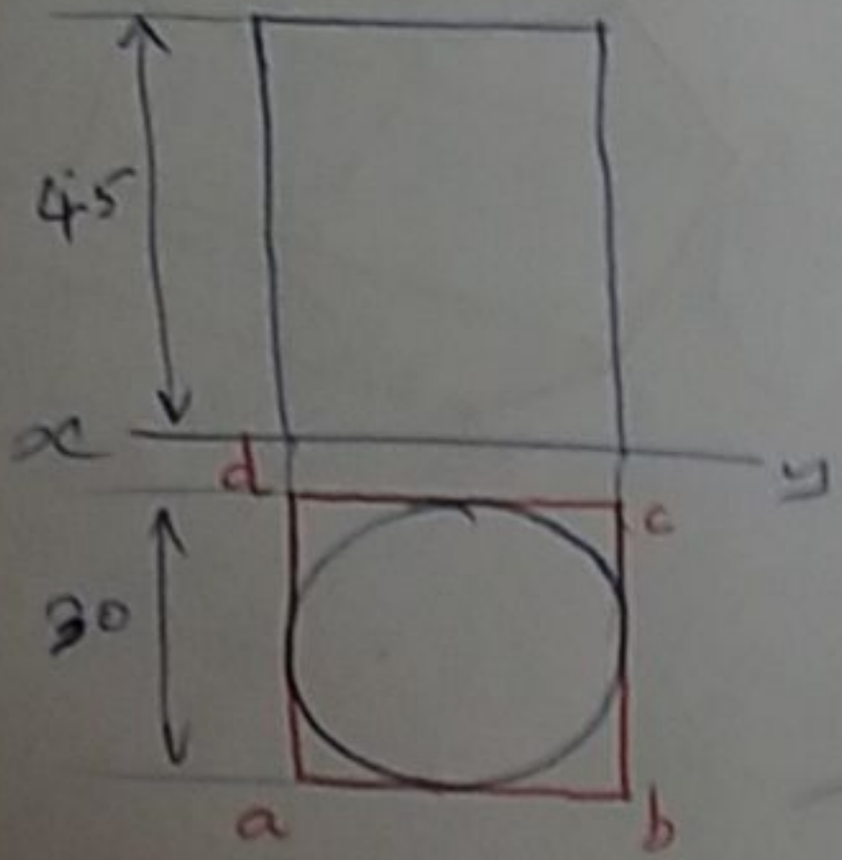

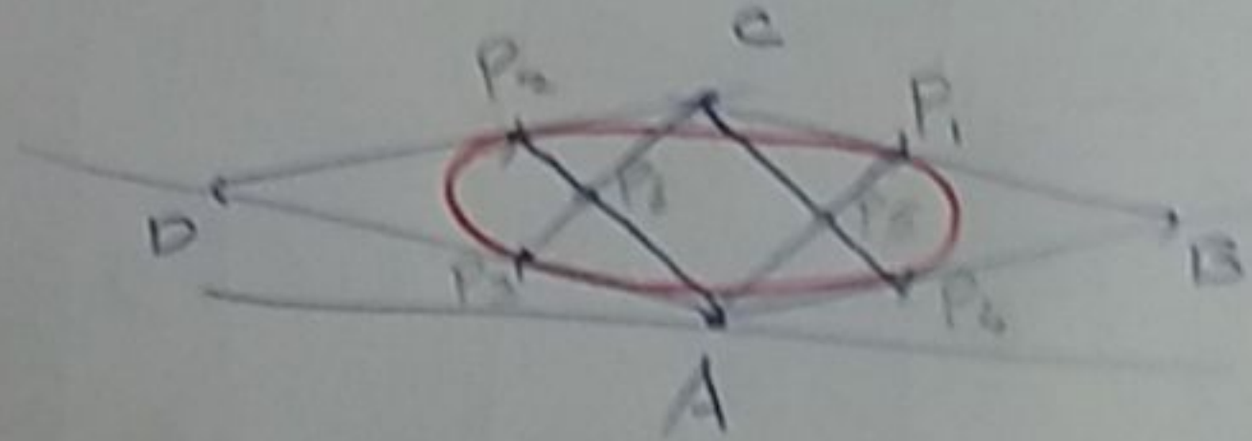

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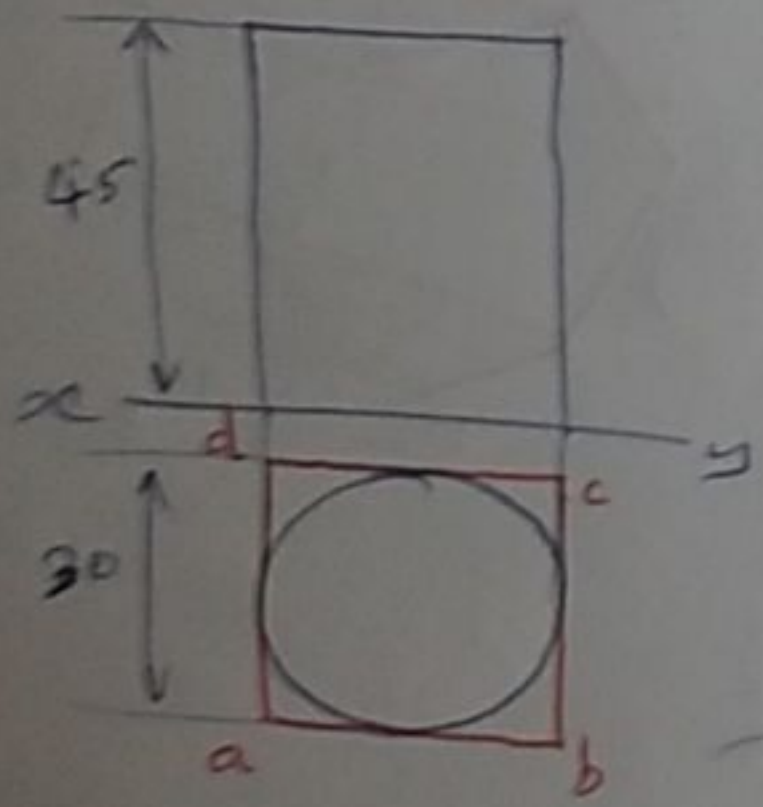
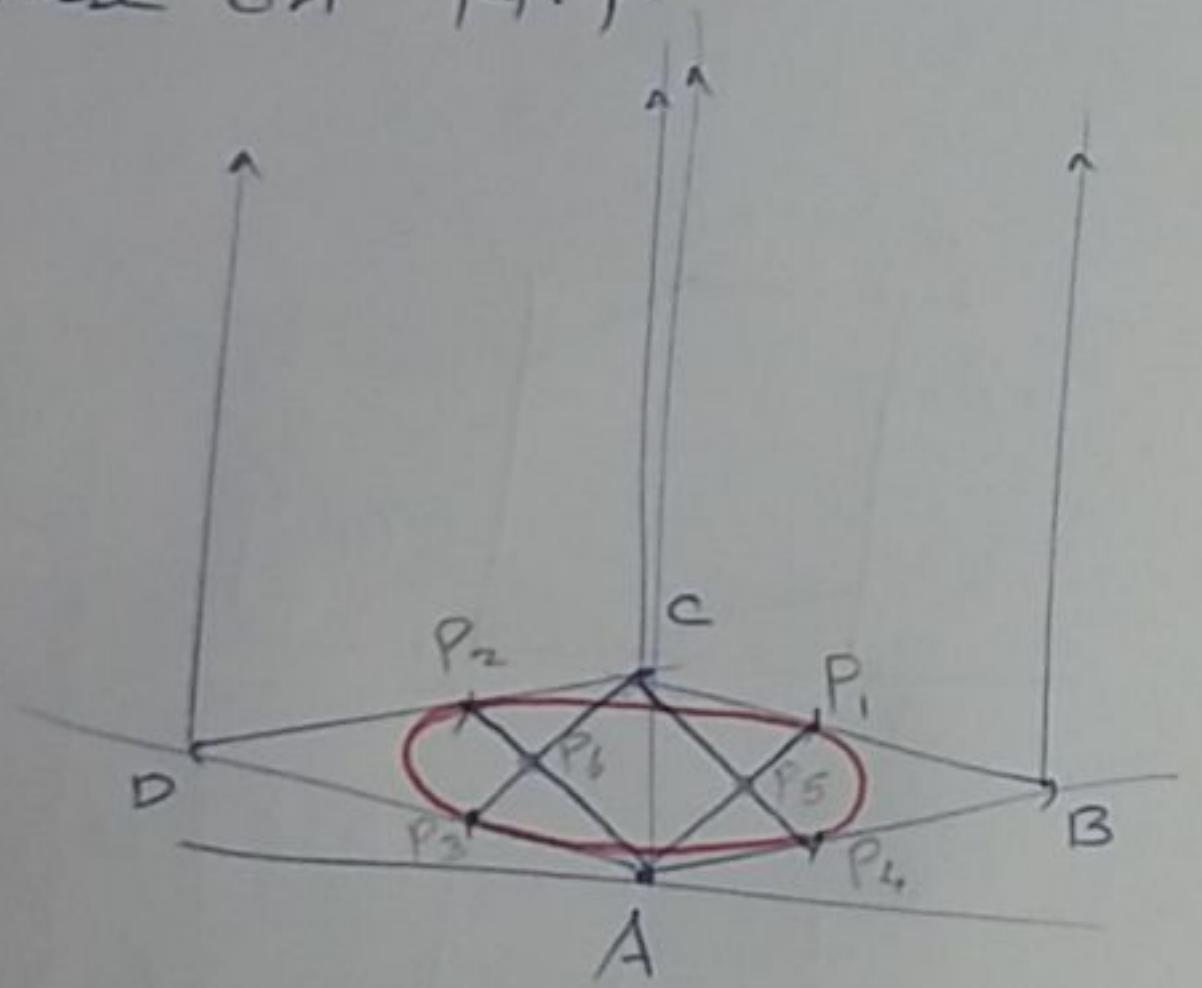
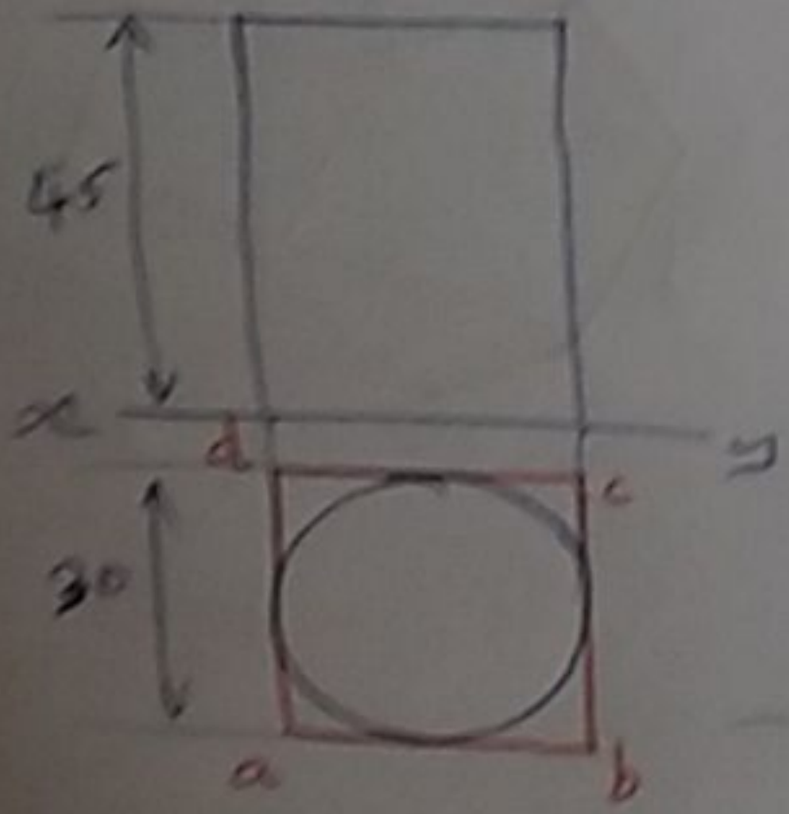
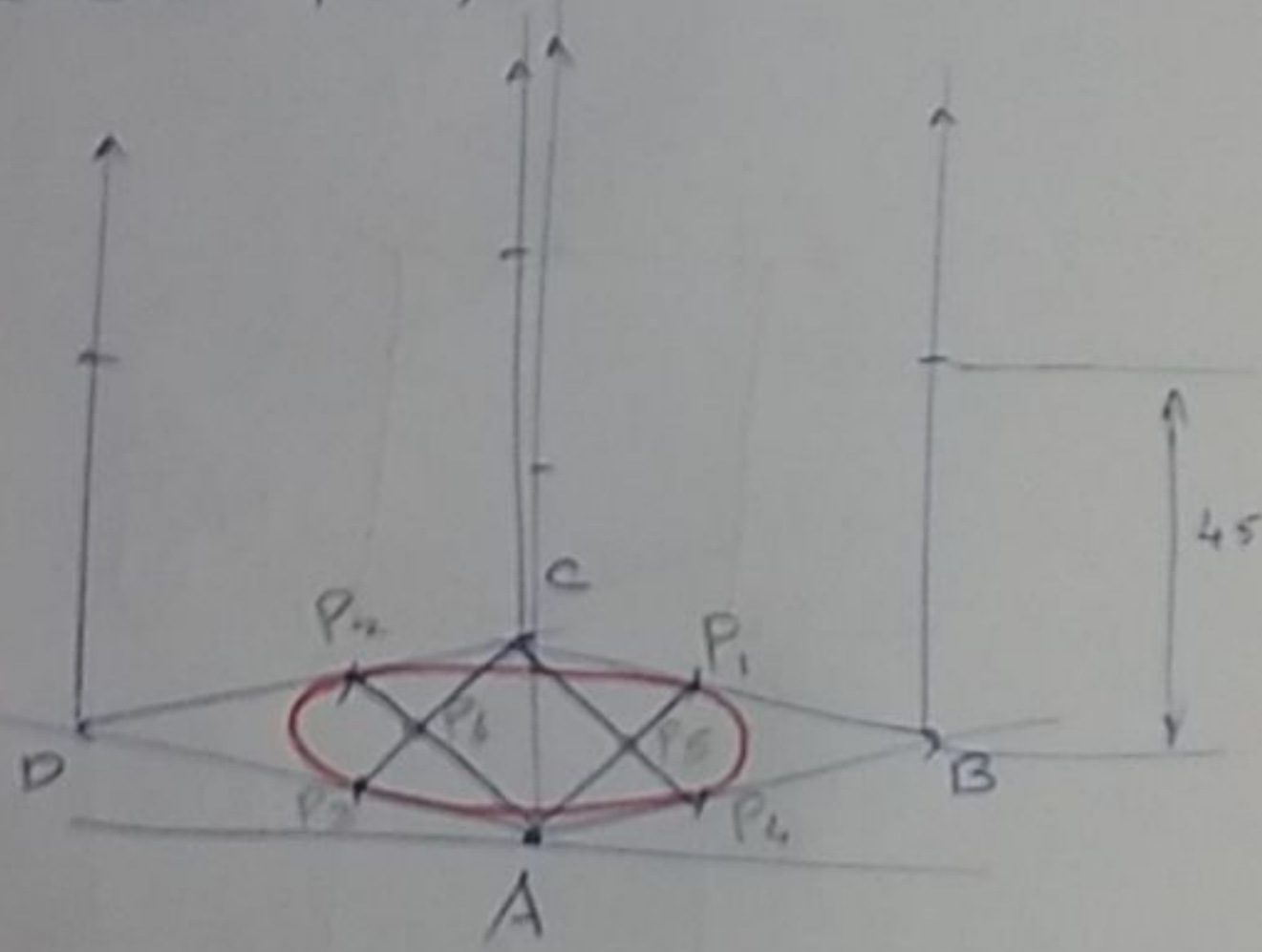




D Resting on its base on H.P





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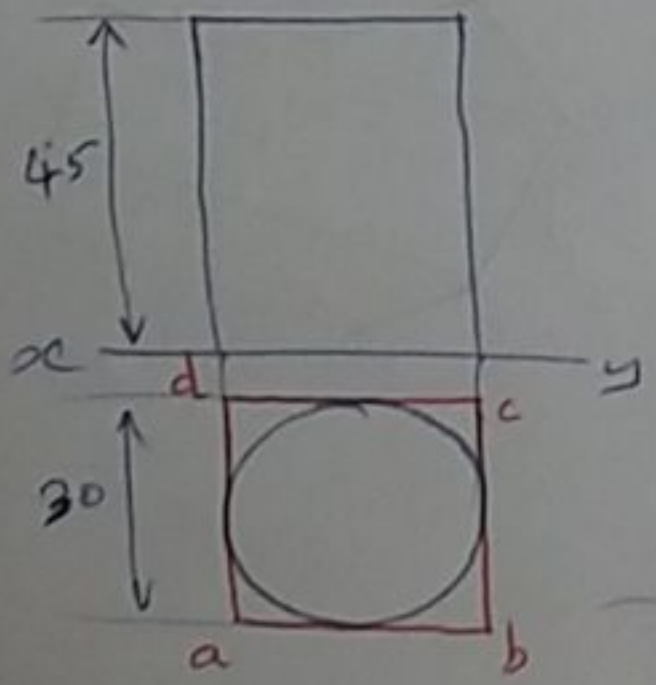

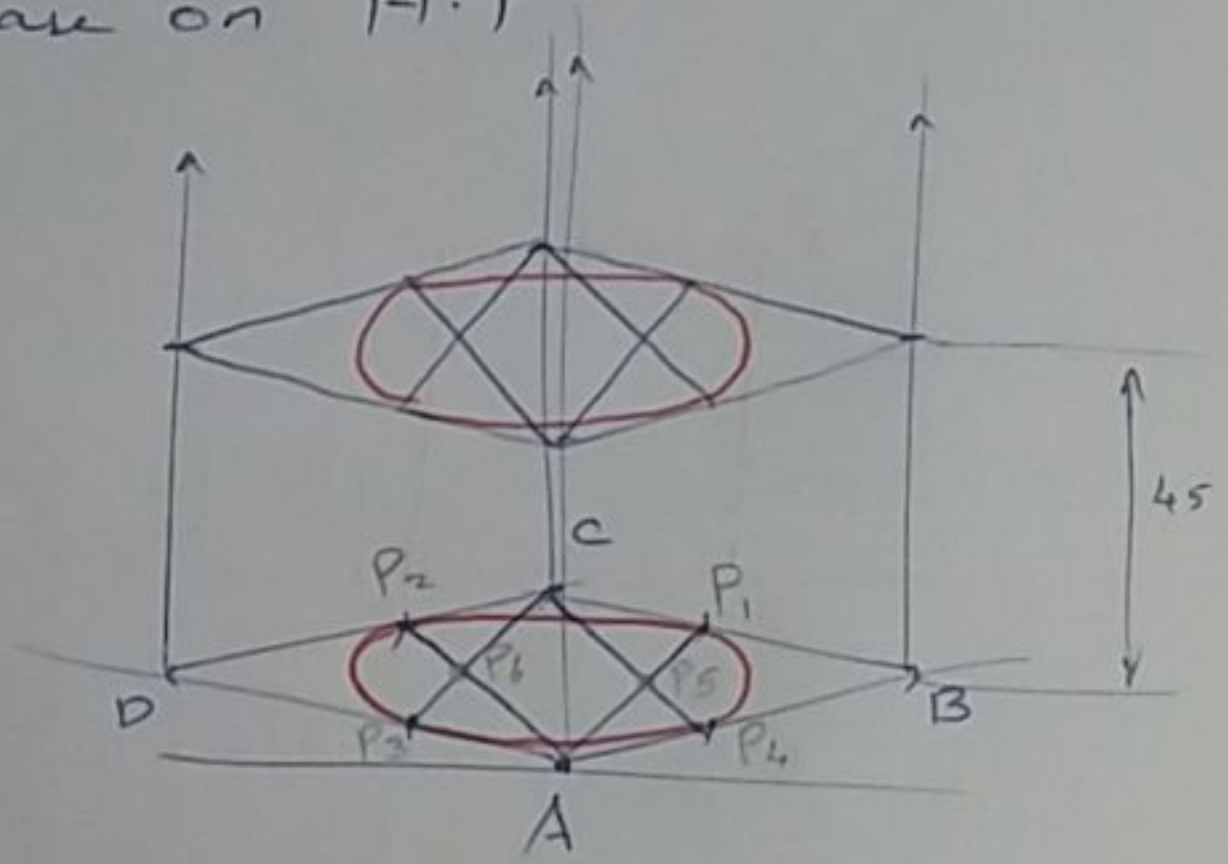

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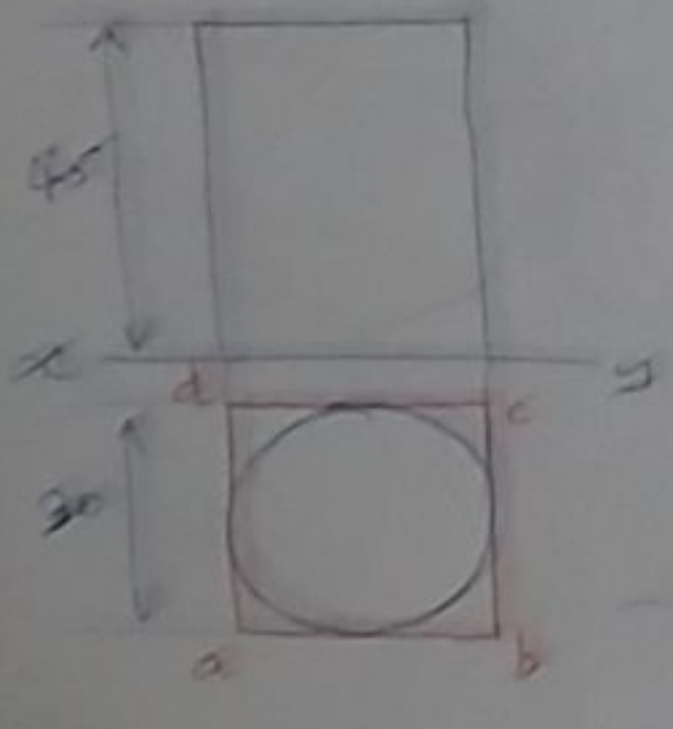

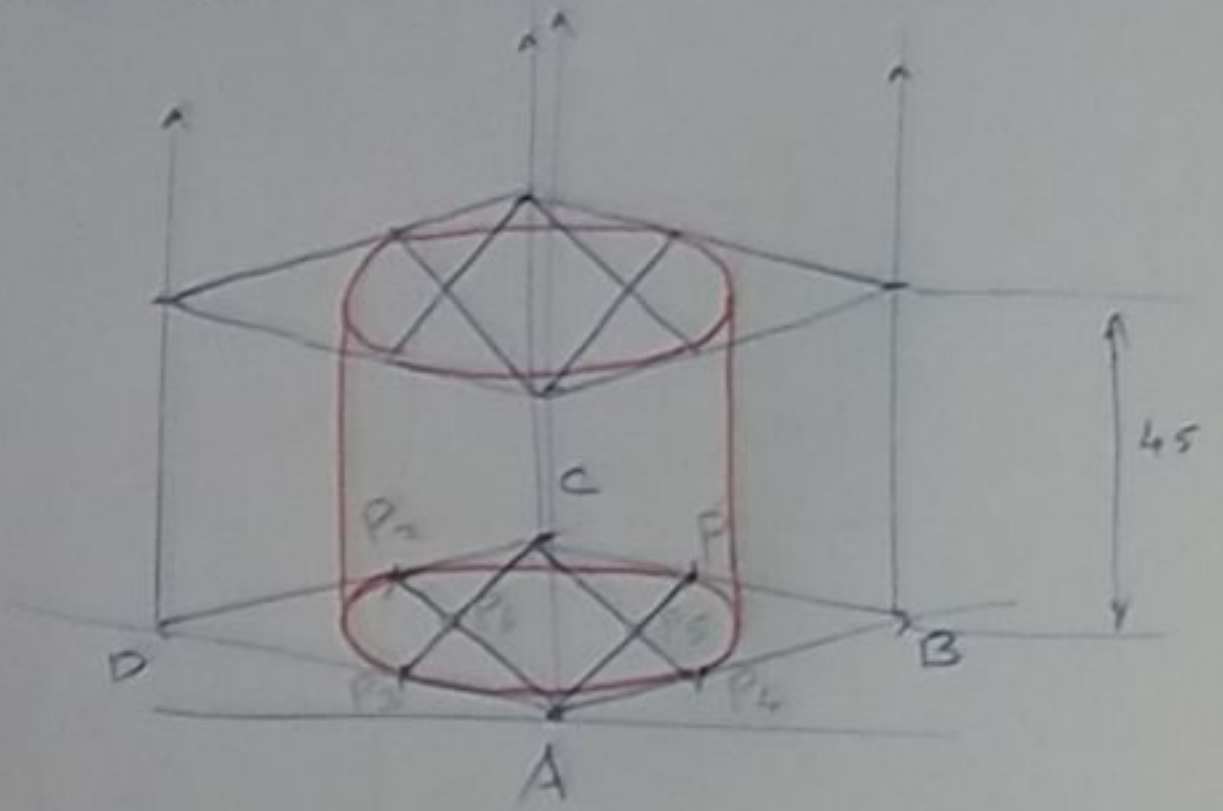

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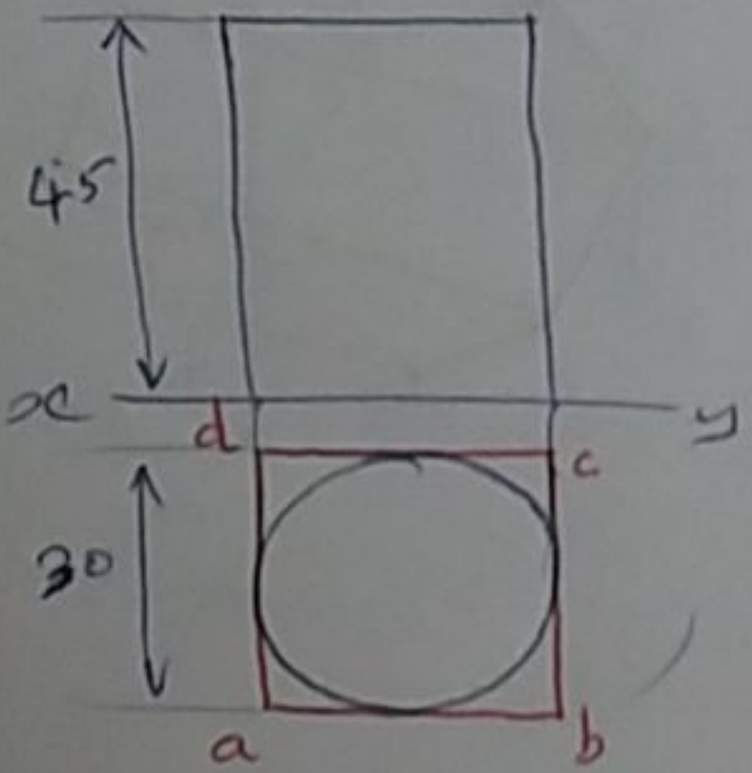

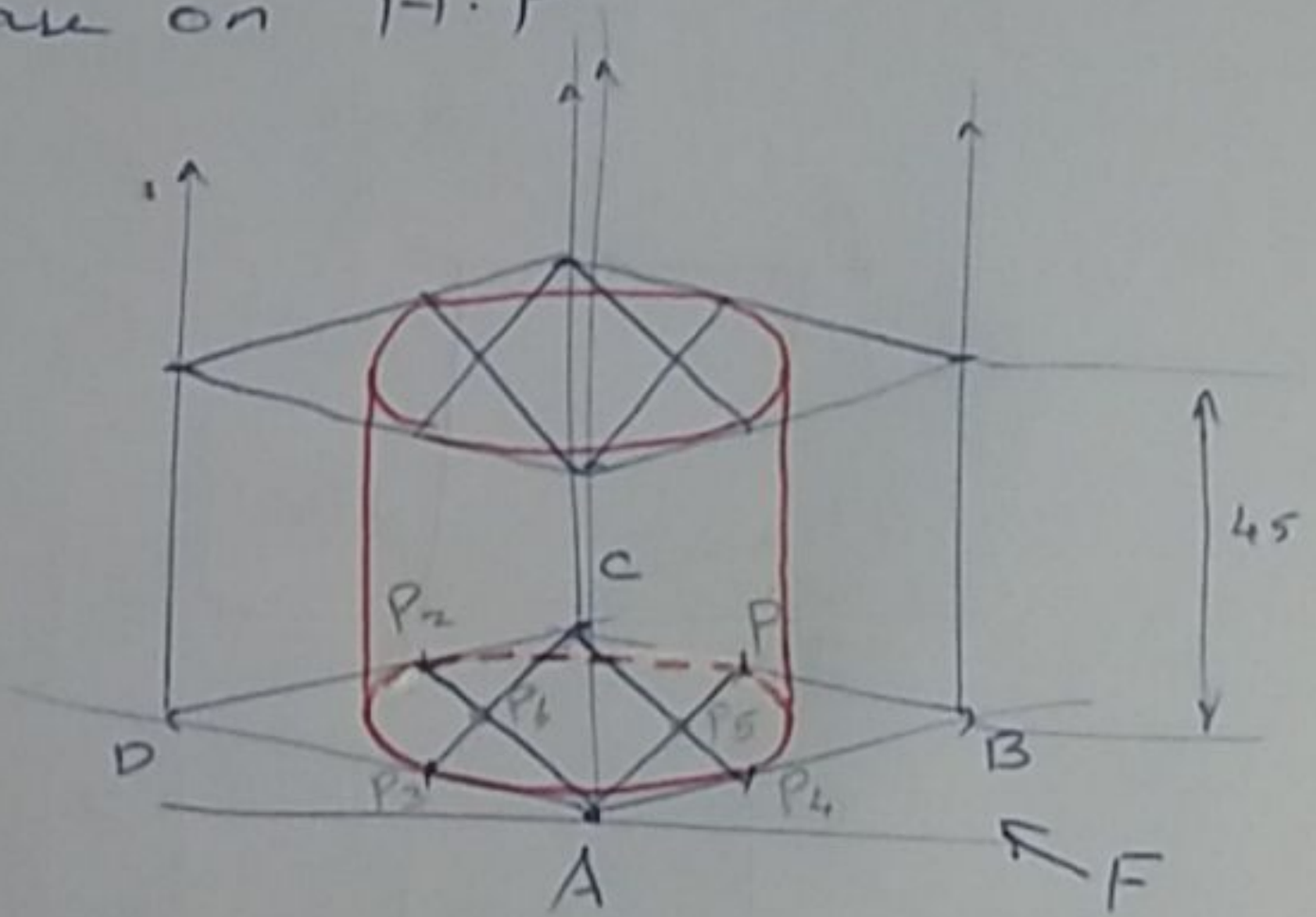

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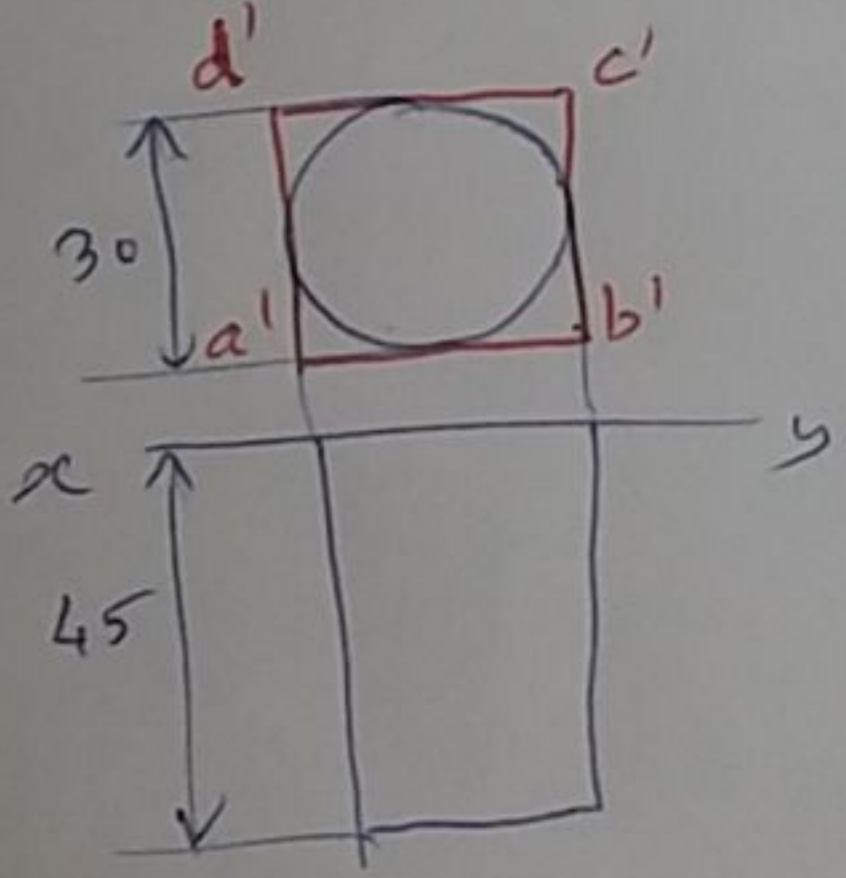

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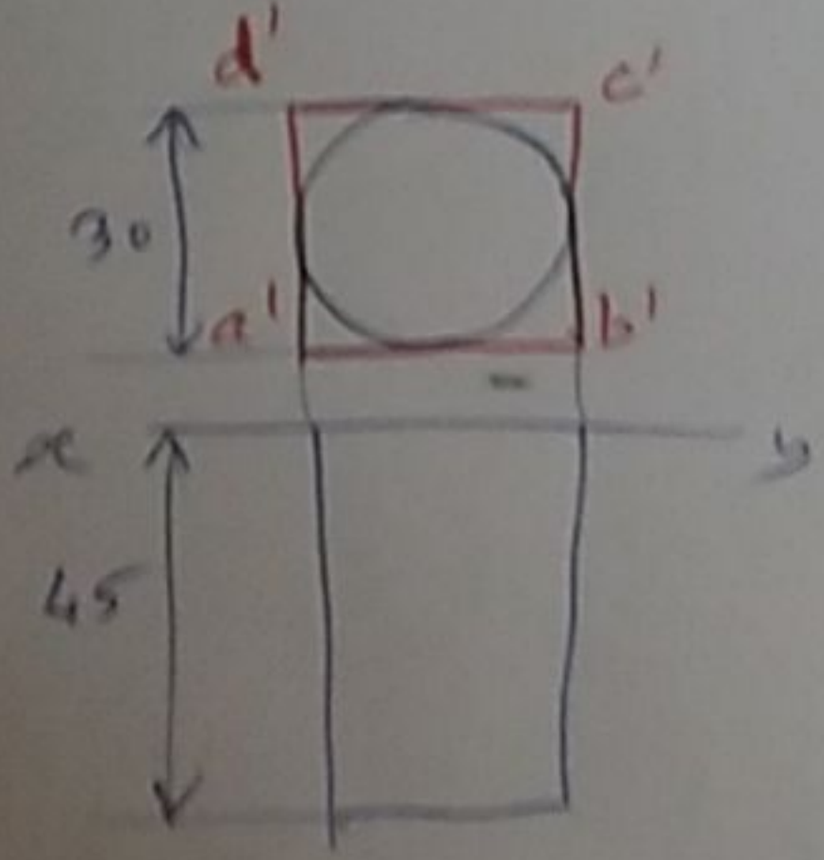

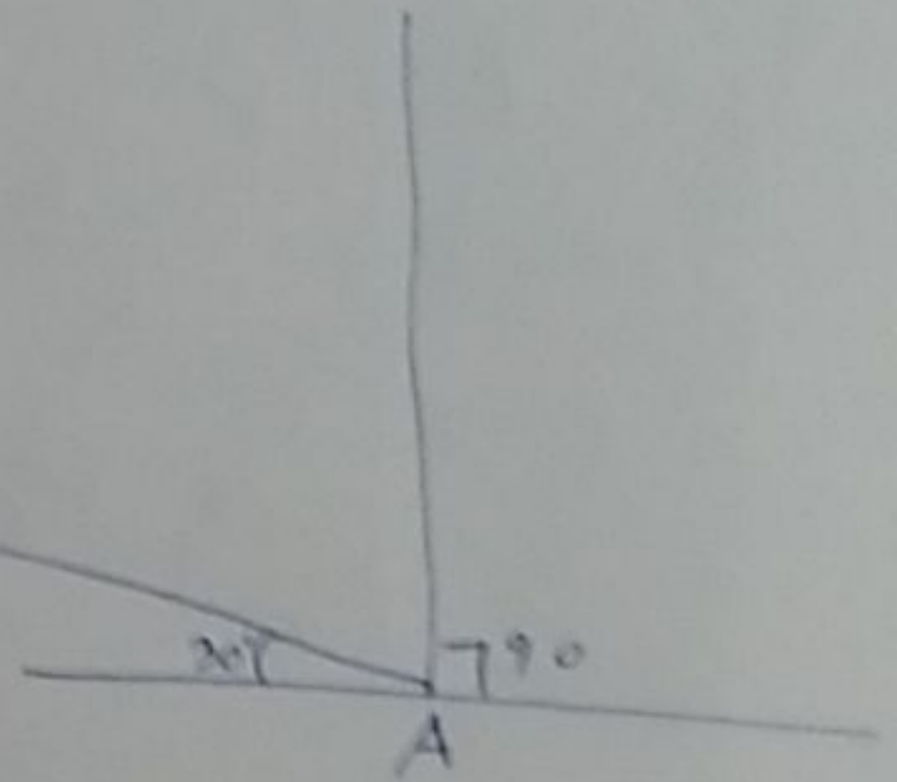

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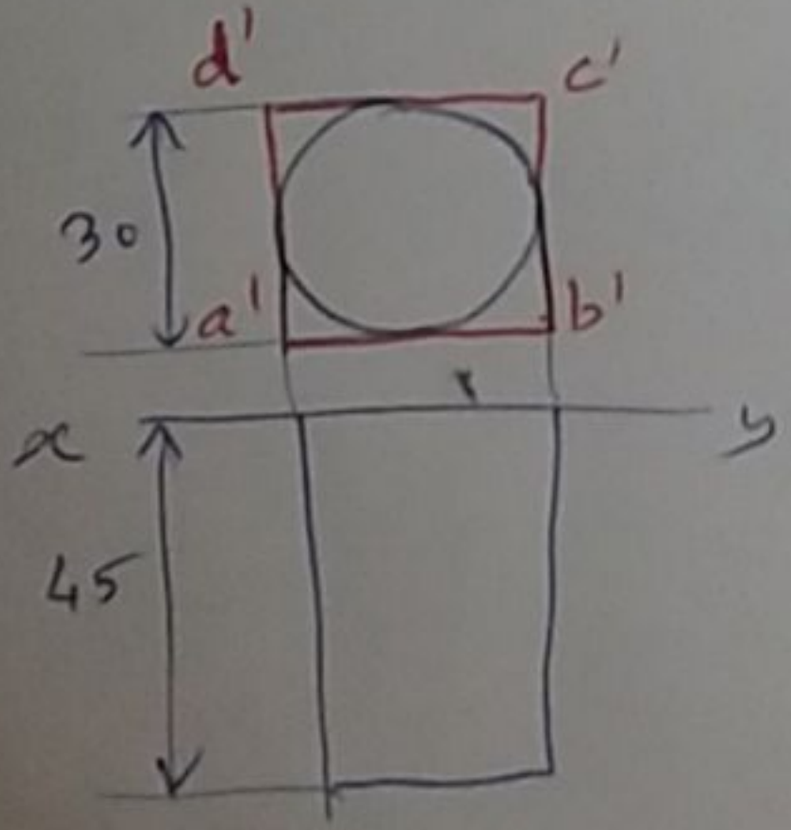

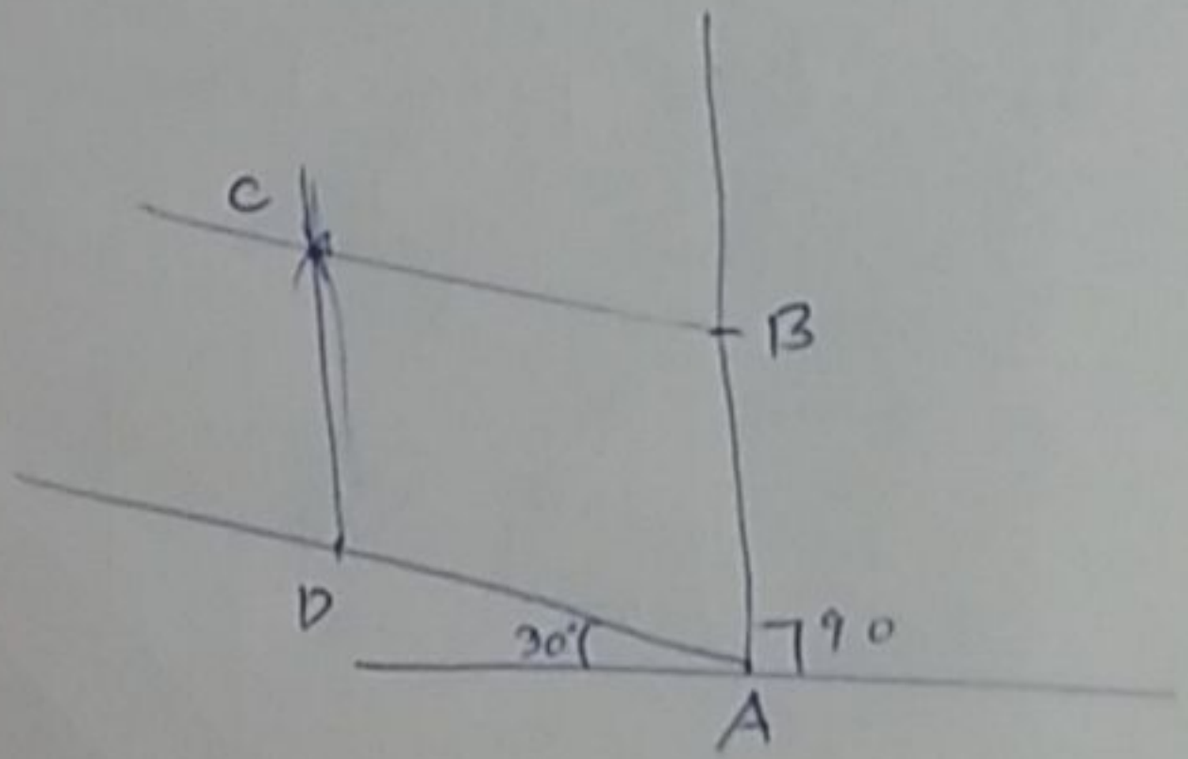

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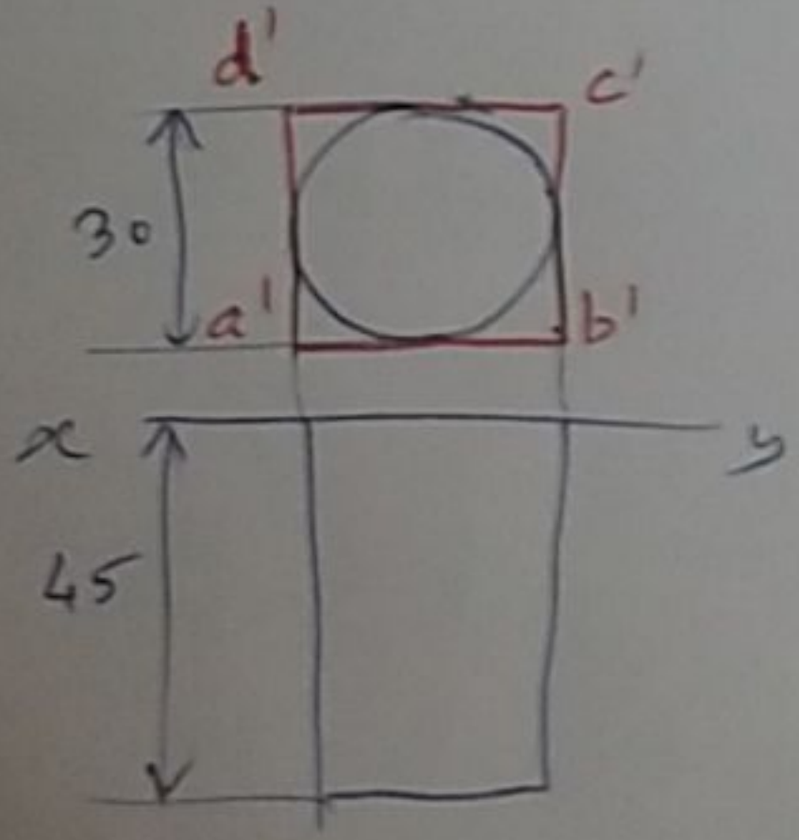

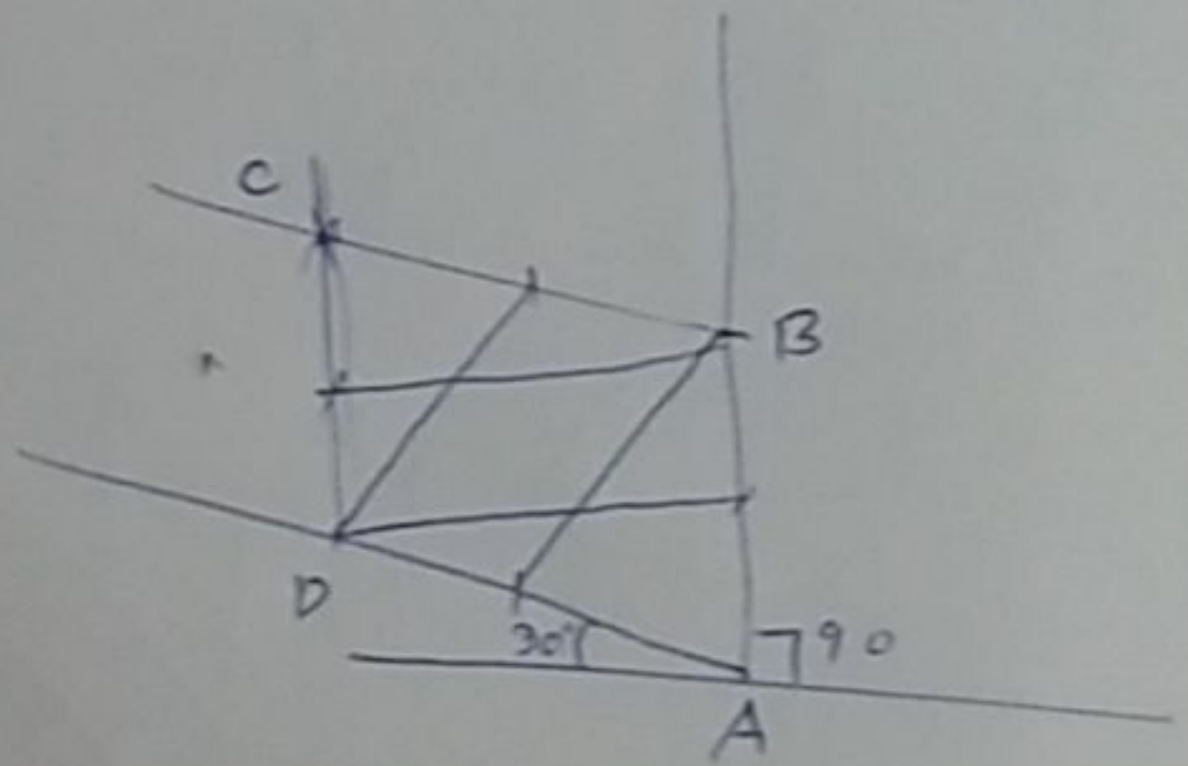

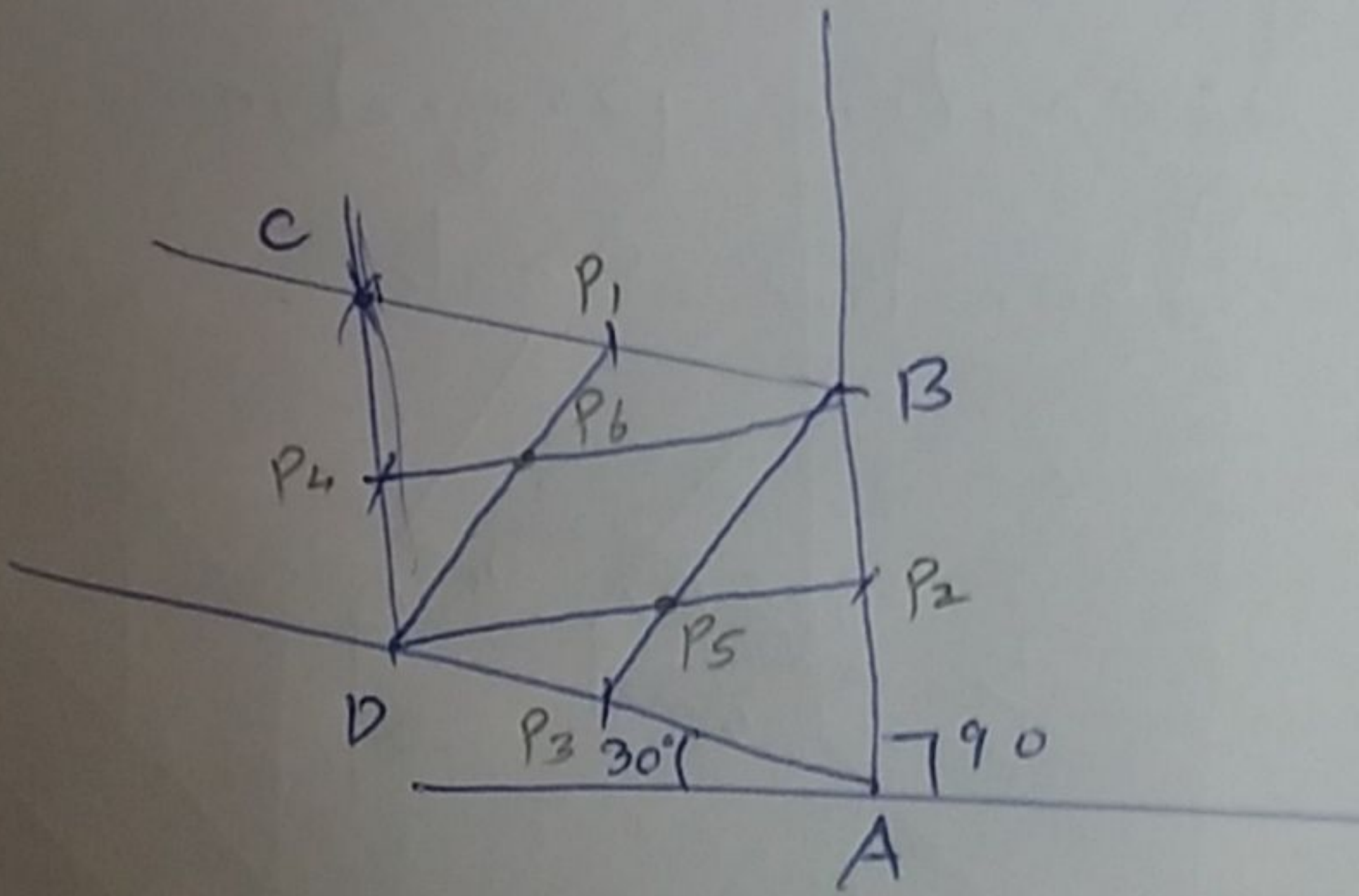
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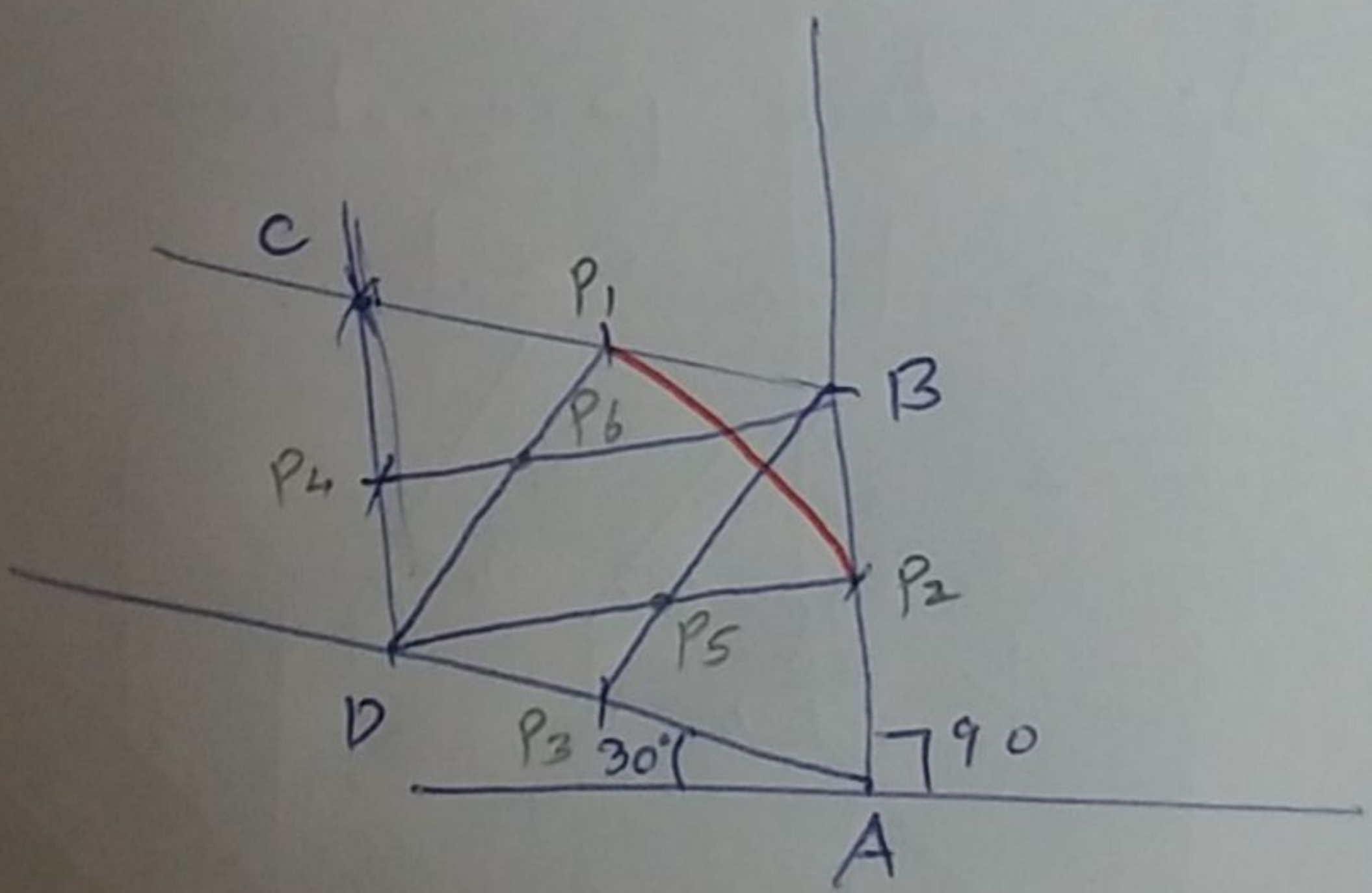
P1
B
P6
P4
P2
P5
D
P3
30°
90
A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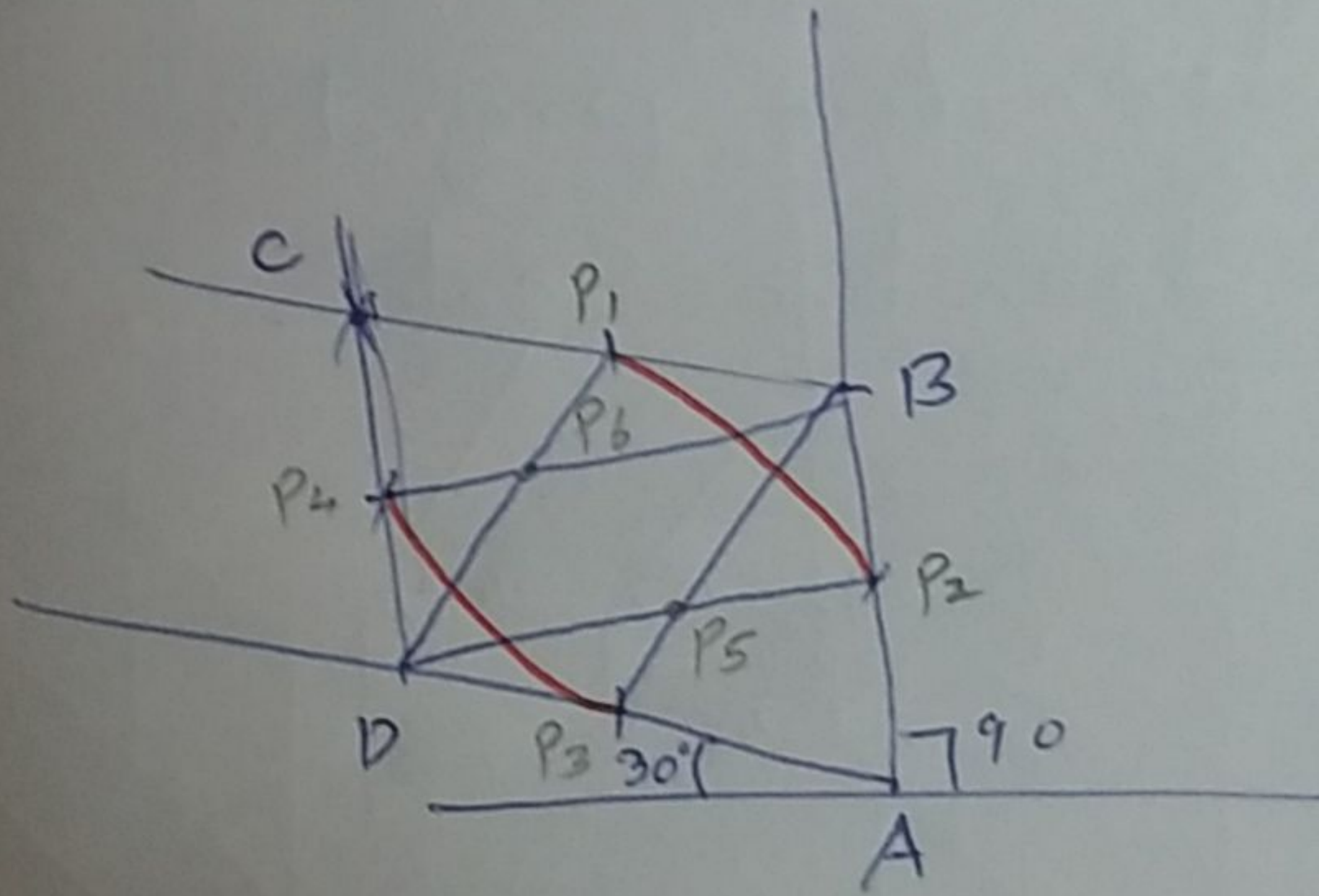
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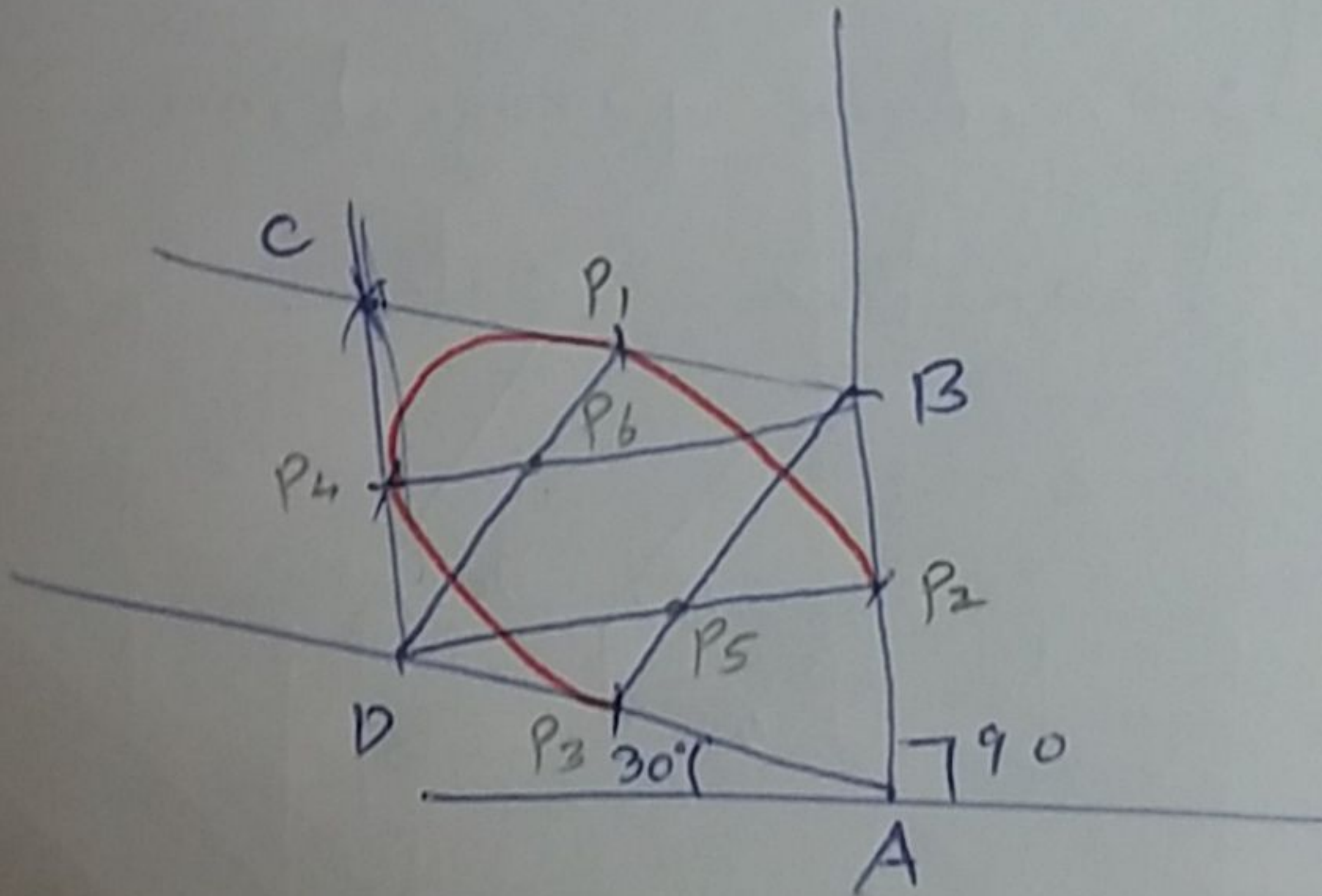
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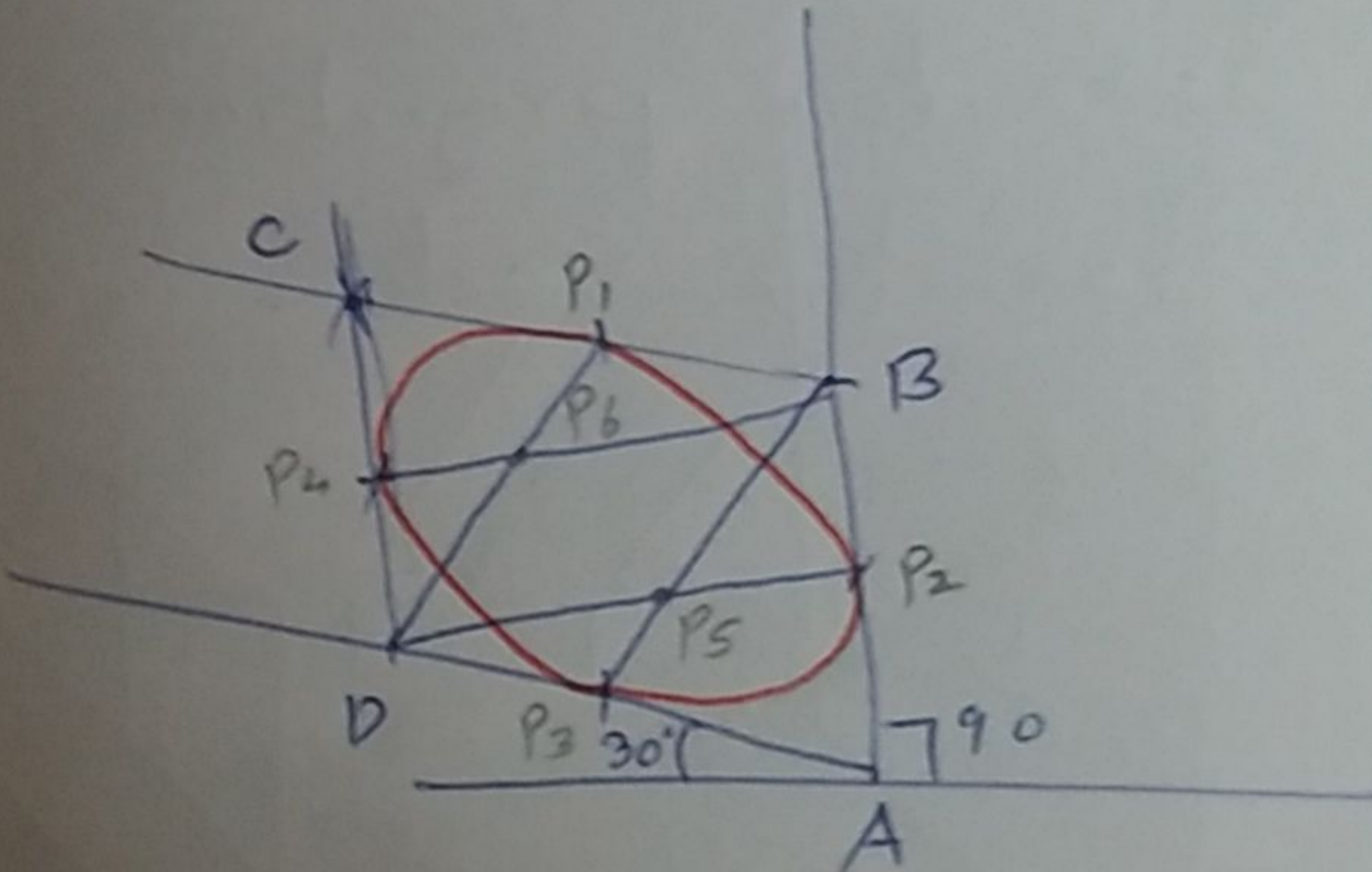
C
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B
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P4
P2
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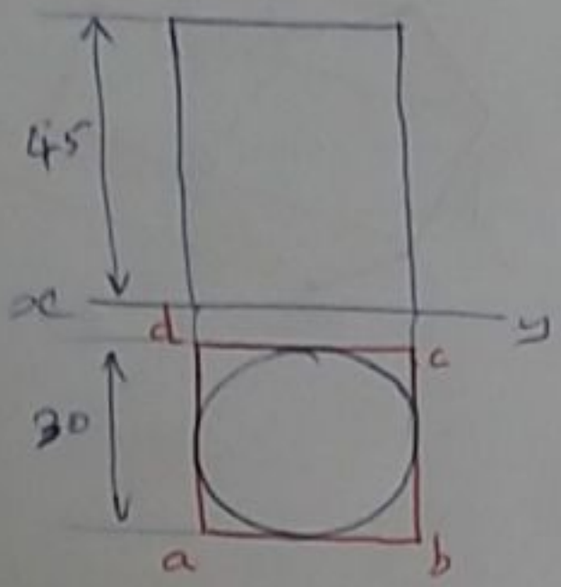
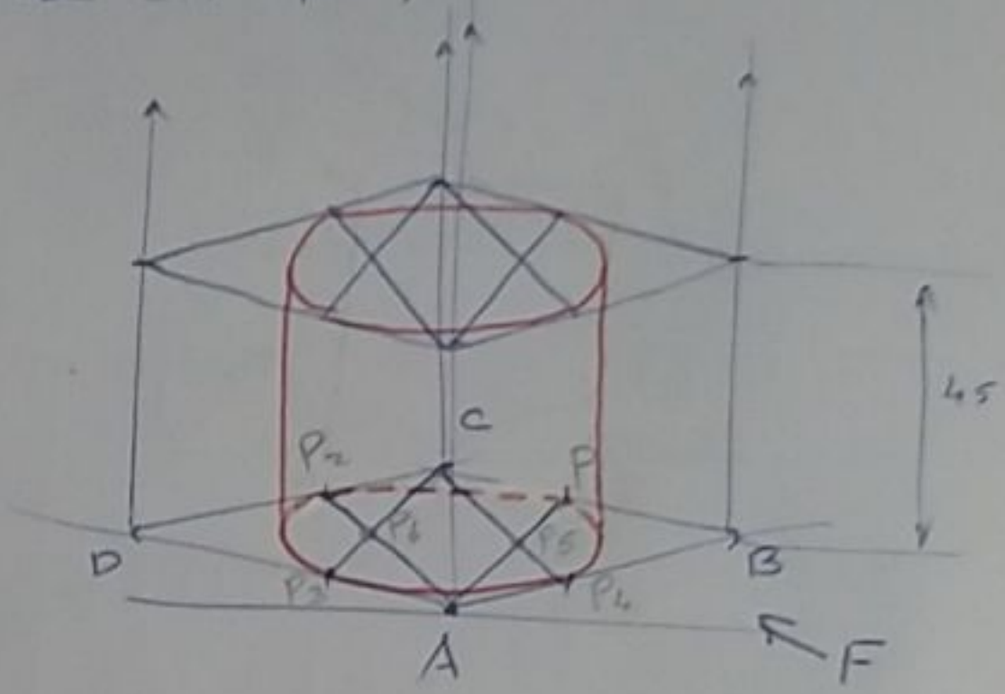
D
P3
30°
90
A

① Resting on its base on H.P

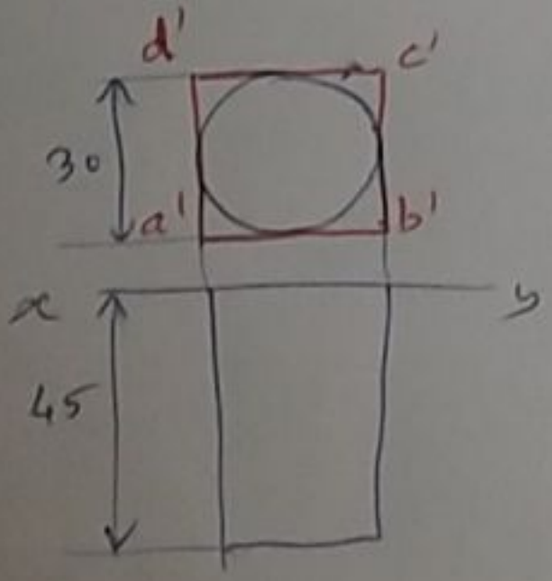


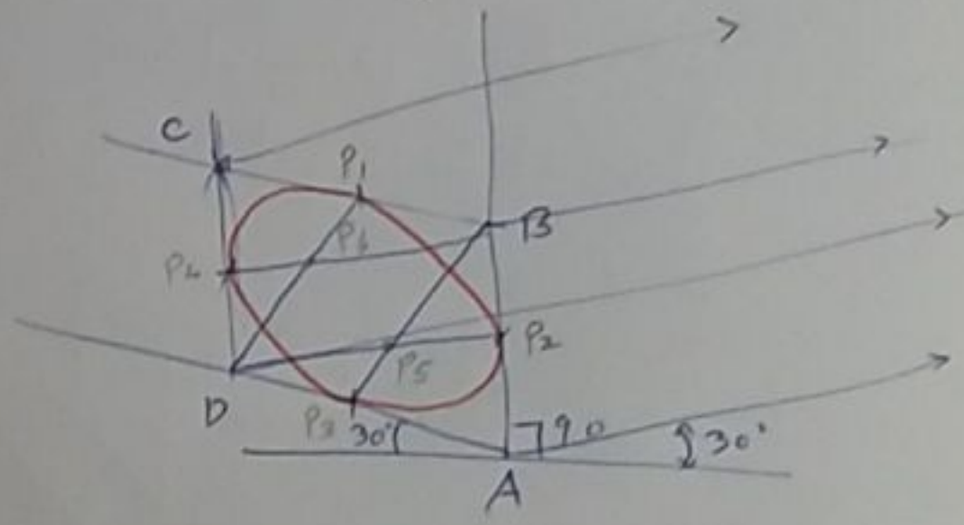
Orth. proj.



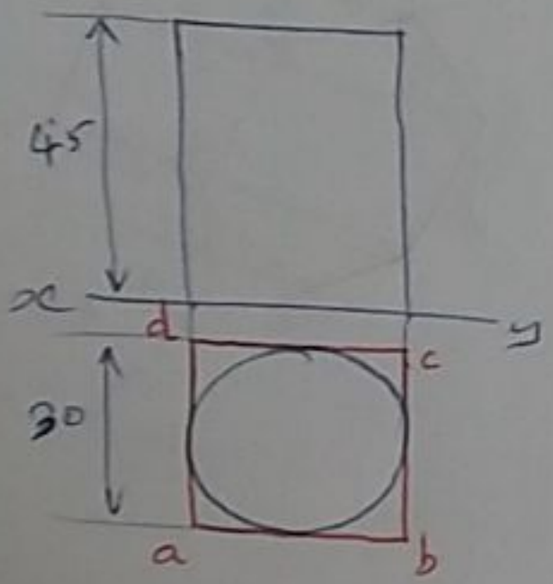
Iso. View

② Resting on its base on V.P.





① Resting on its base on H.P



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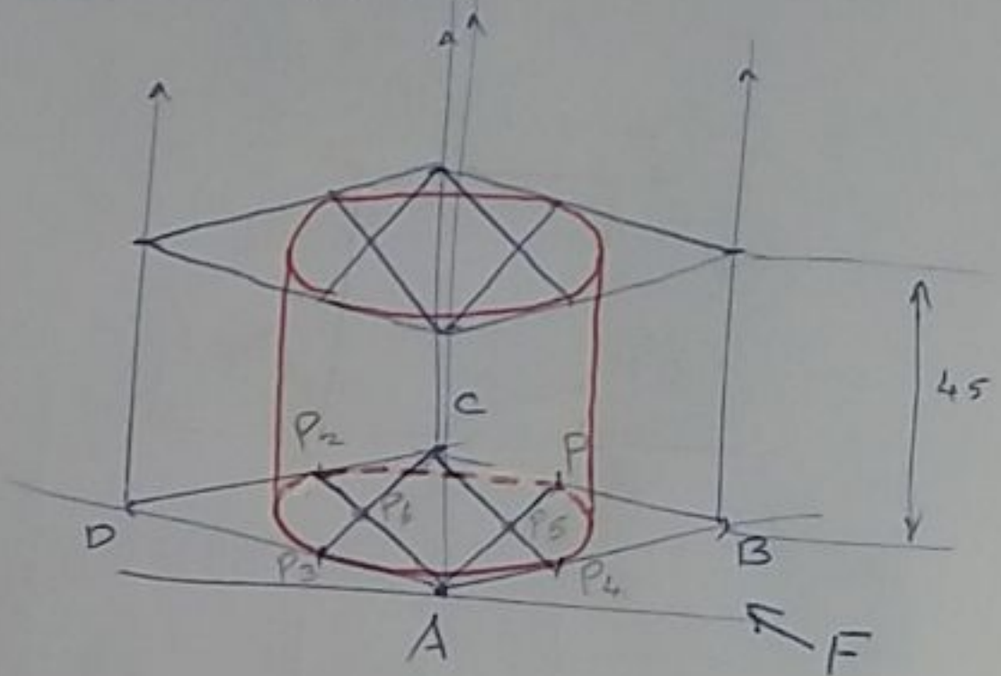
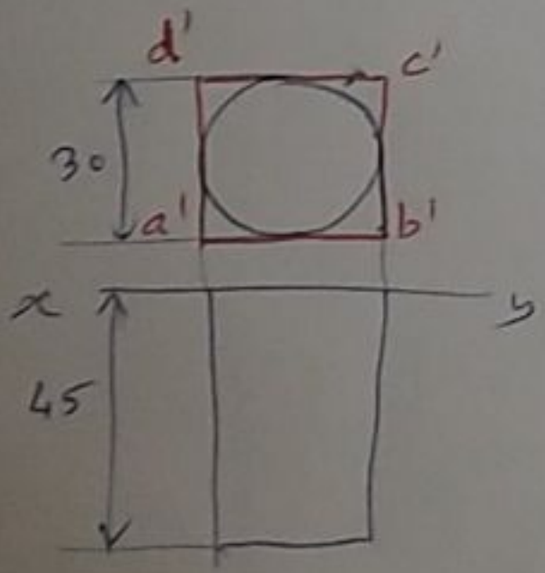
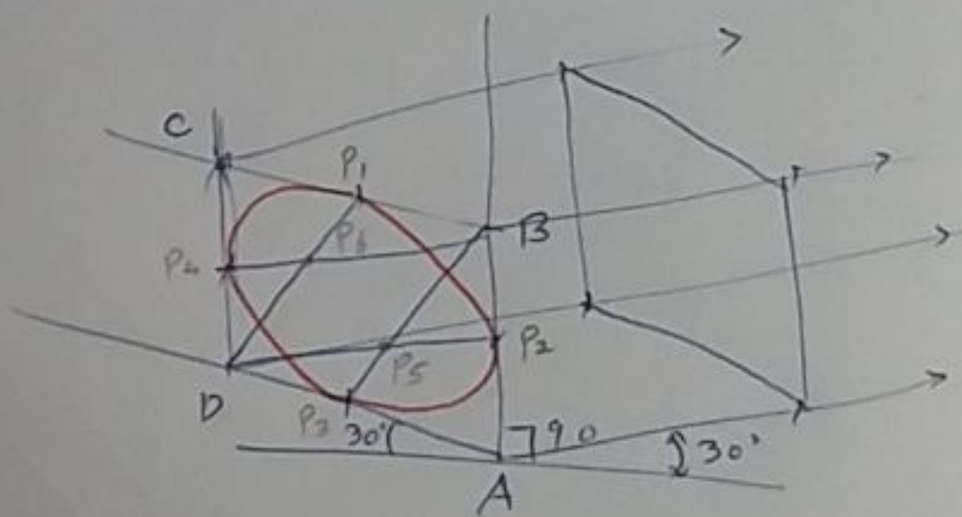


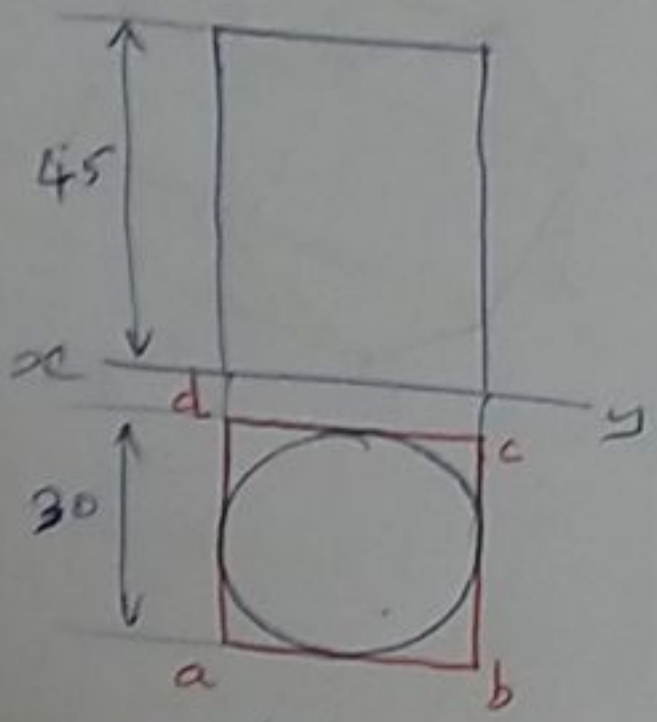
3D. View

② Resting on its base on V.P.

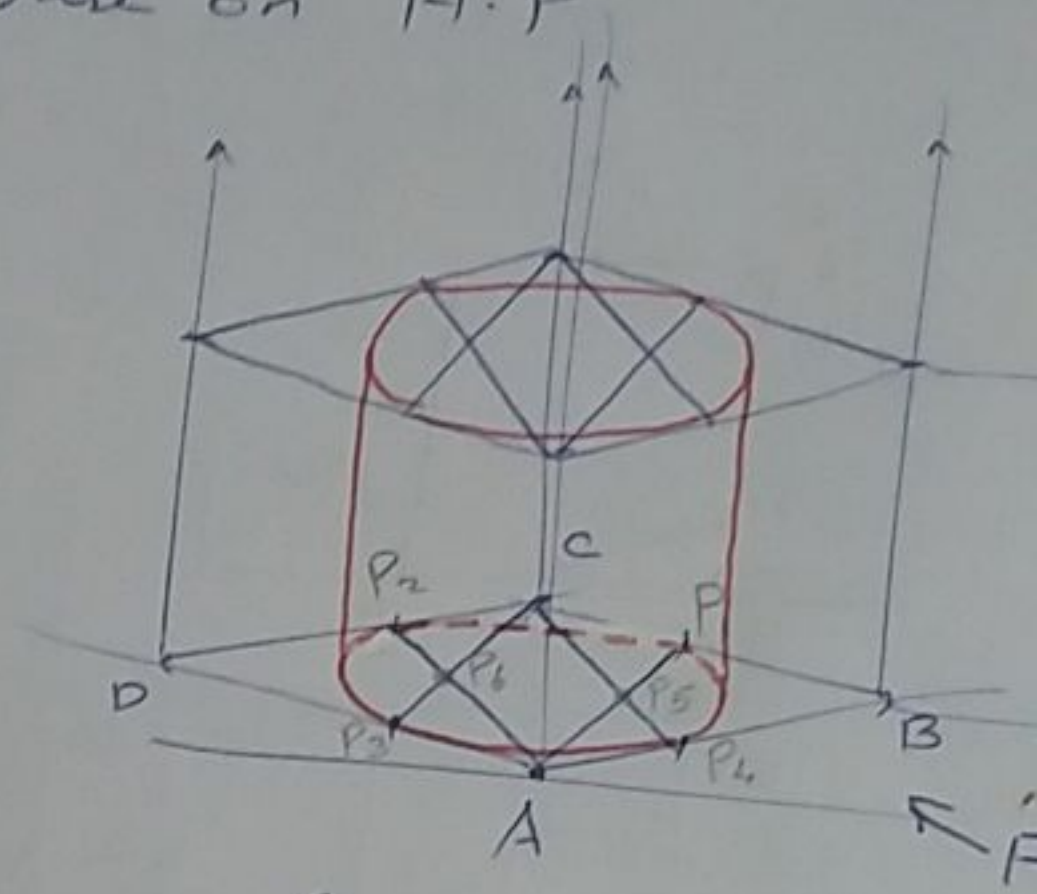




① Resting on its base on H.P

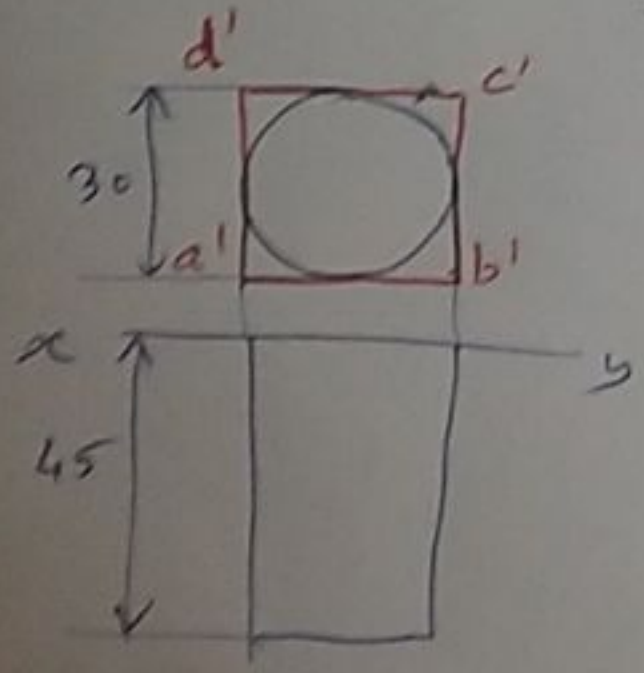


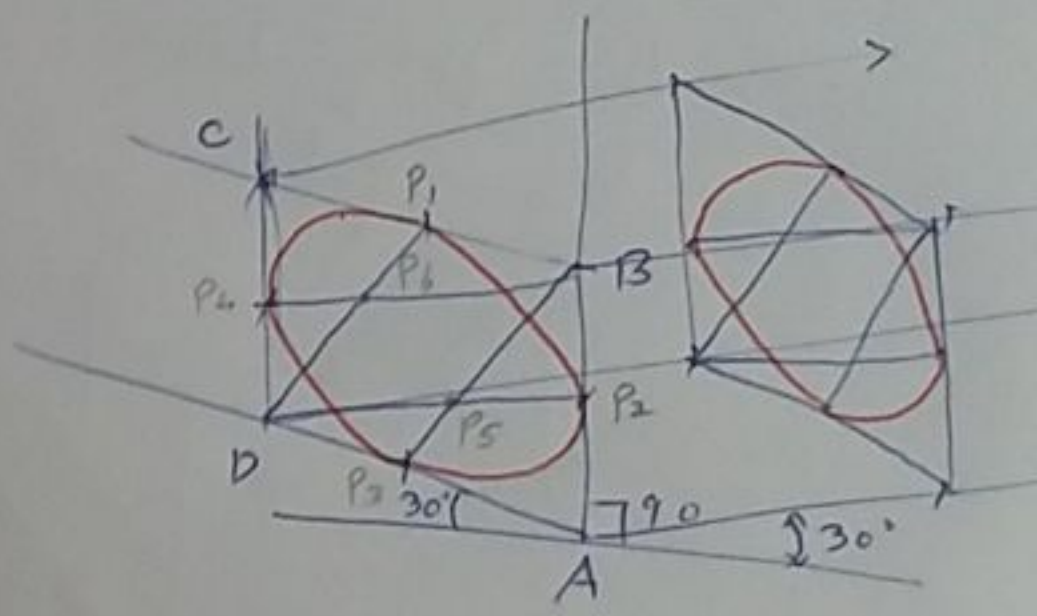
Front. proj.



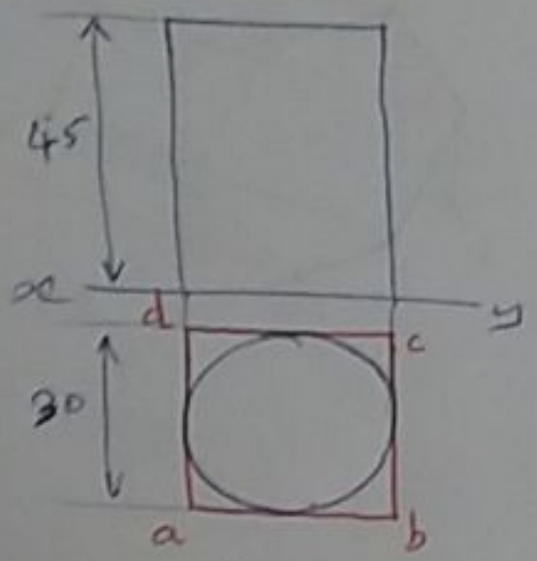
Iso. View.

② Resting on its base on V.P.





① Resting on its base on H.P



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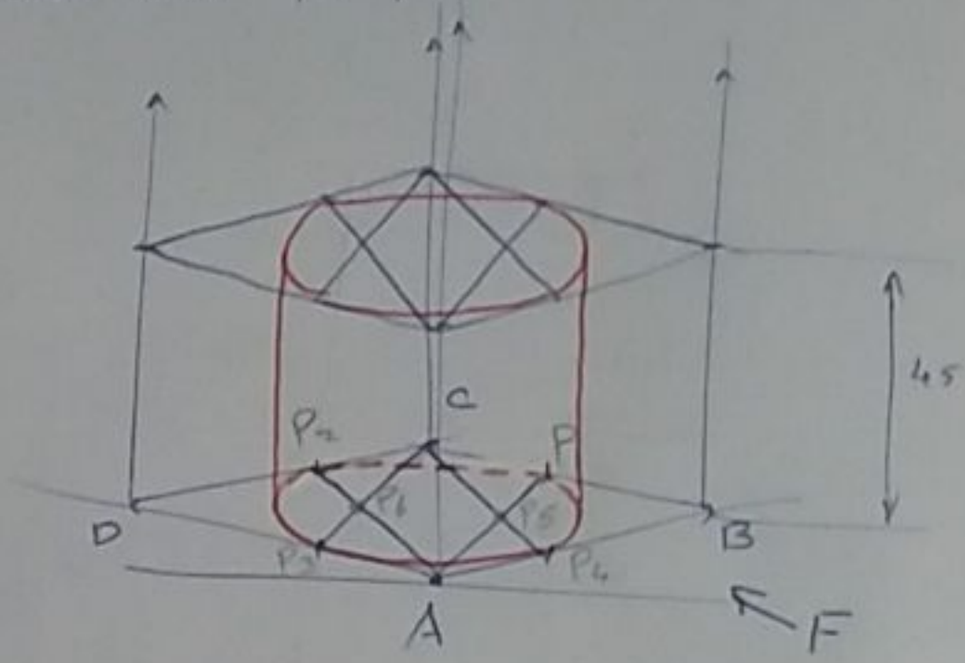
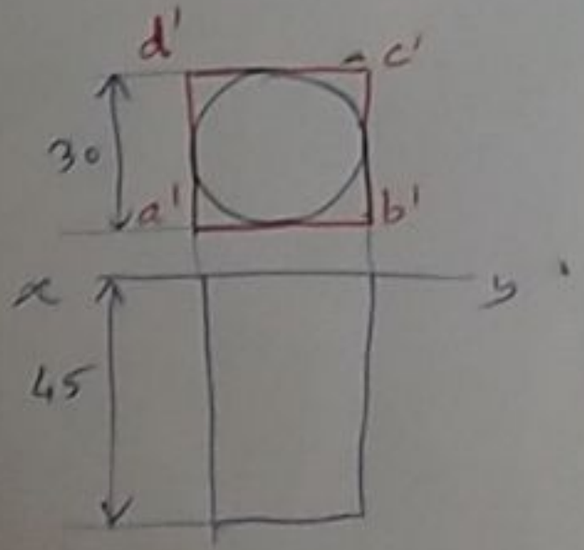
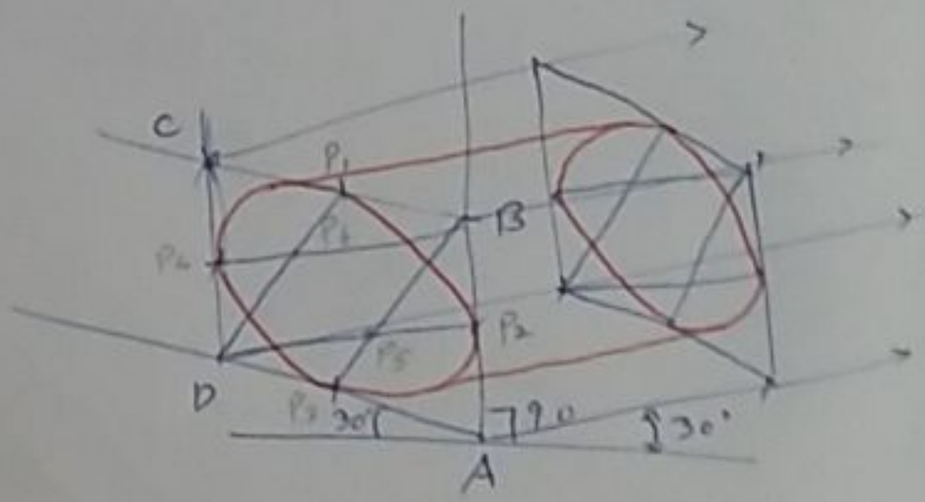


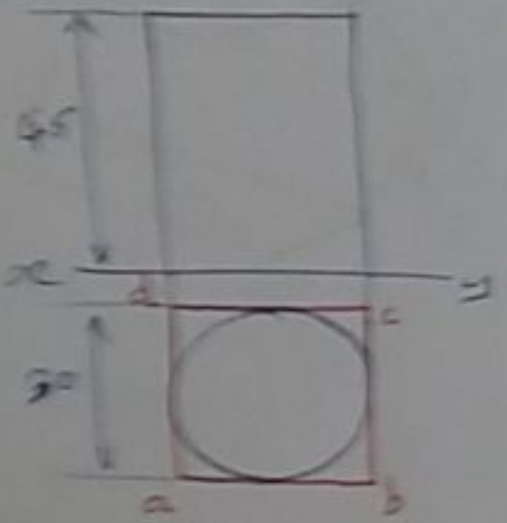
Iso. View

② Resting on its base on V.P.

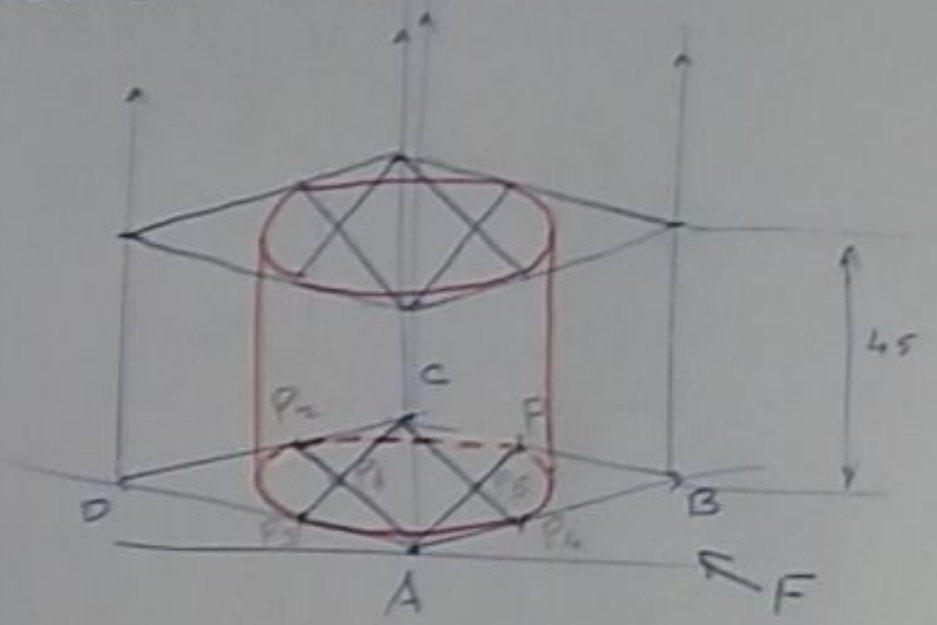




① Resting on its base on H.P

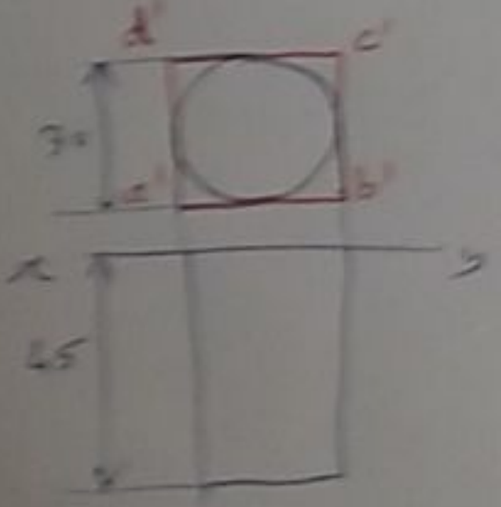


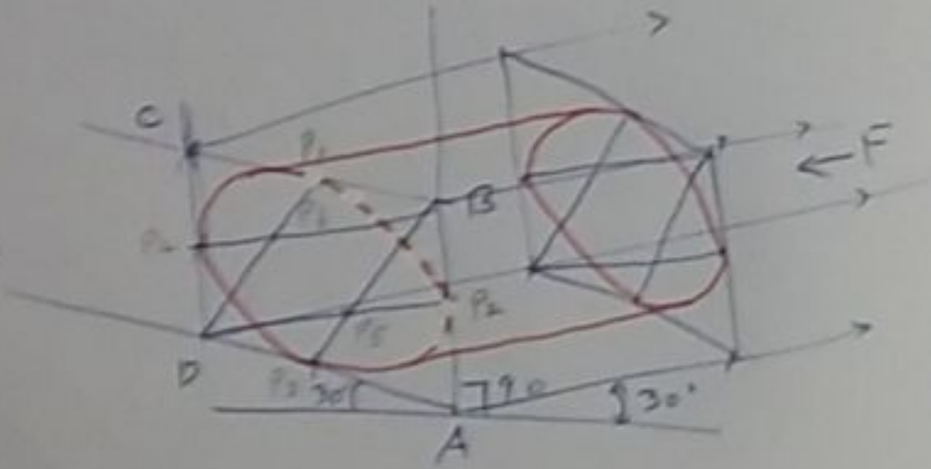
Front proj.



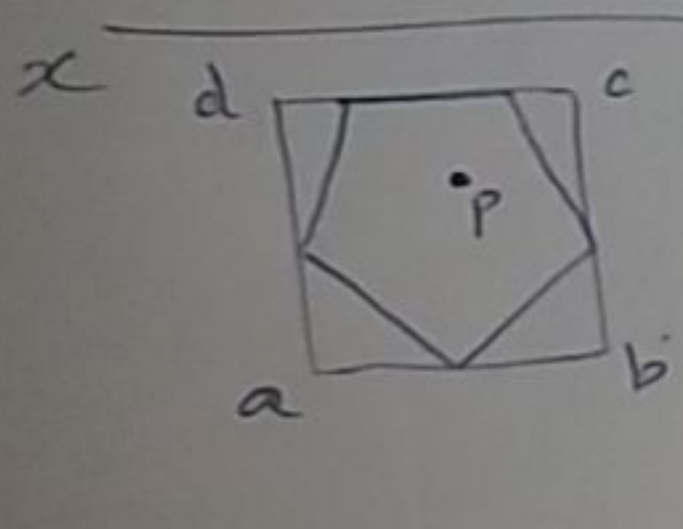
Top View

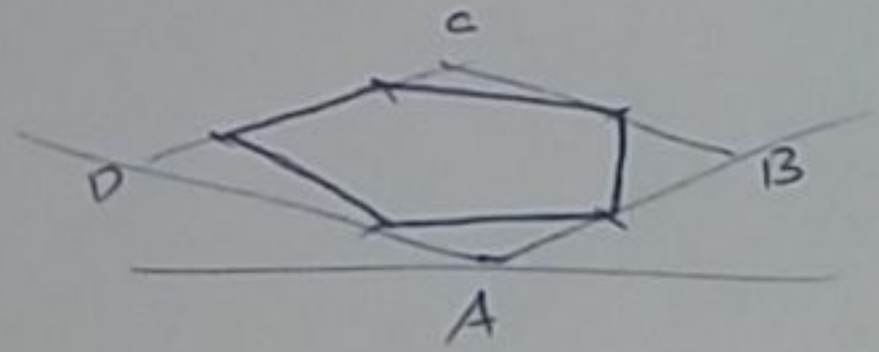
② Resting on its base on V.P



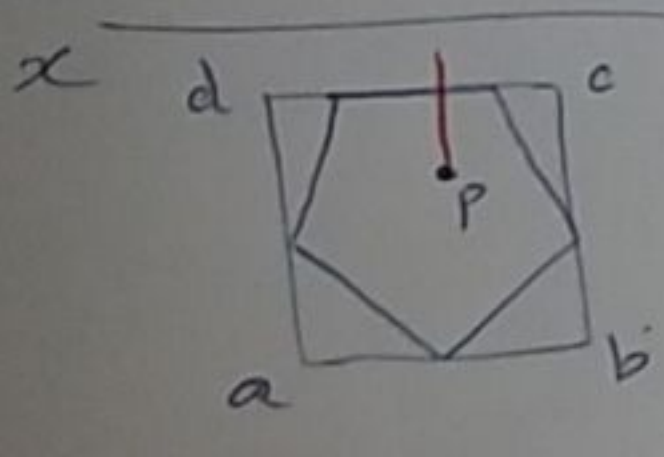


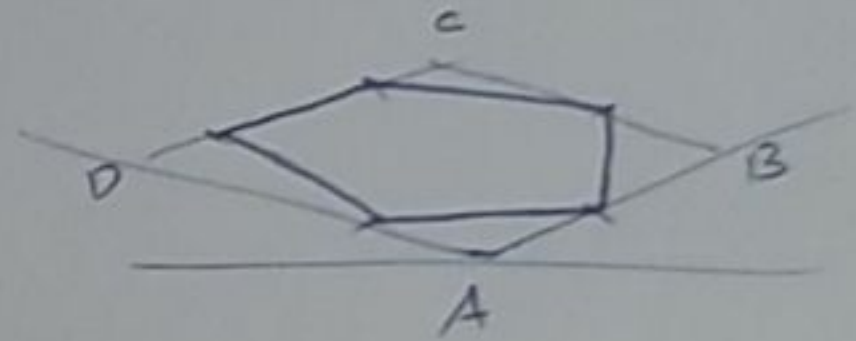
To fix a point inside the orthographic projection to isometric figure.

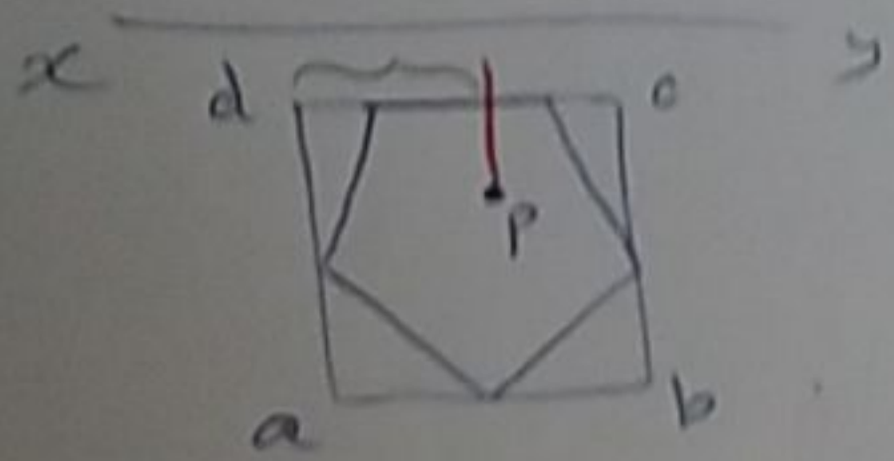


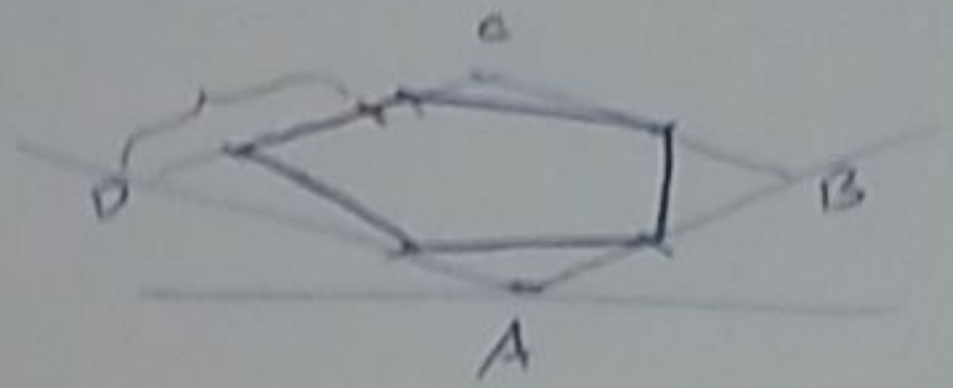


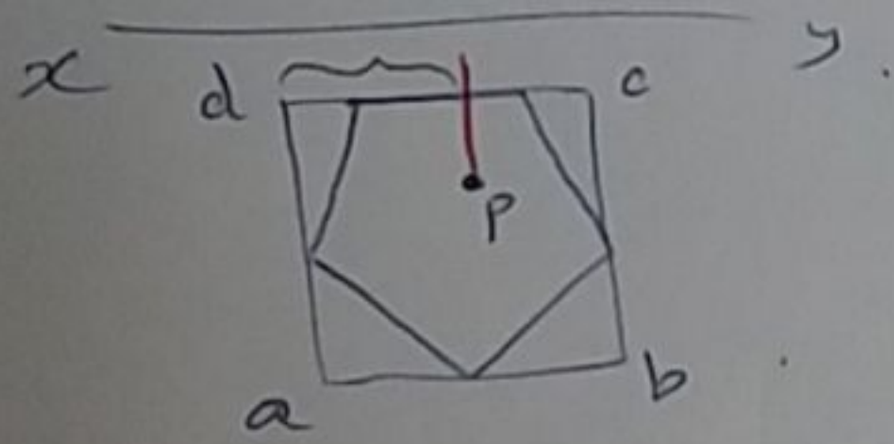
To fix a point inside the orthographic projection to isometric figure.






x
y
d
c
P
a
b


C
D
B
A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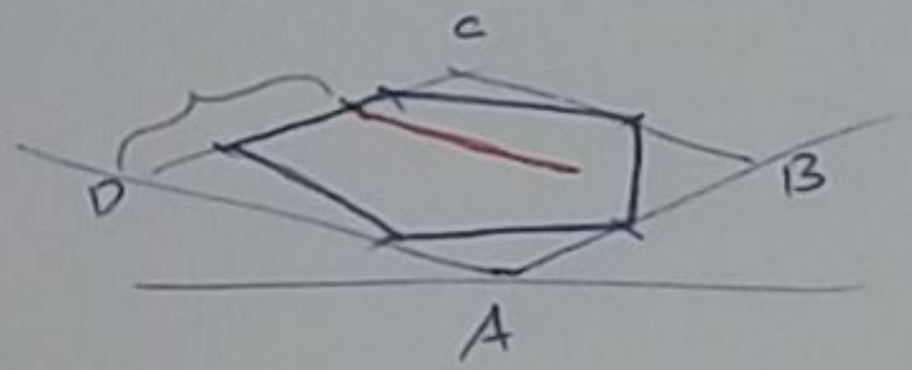
C
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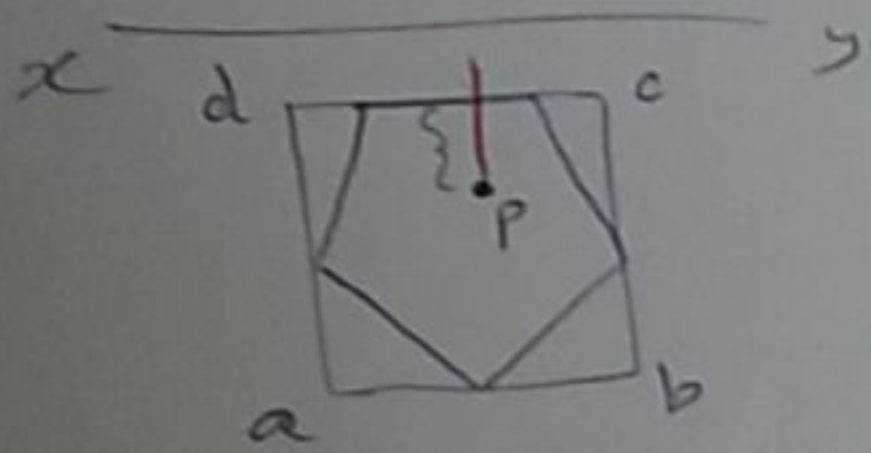
B
A


x
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d
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a
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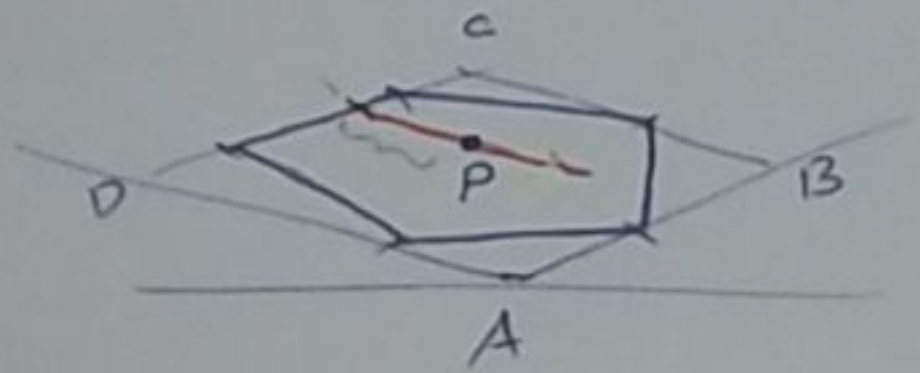
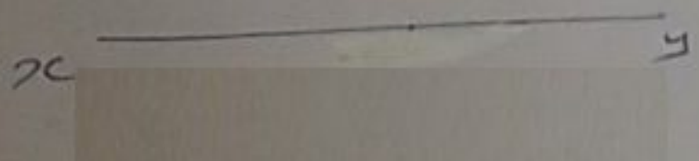
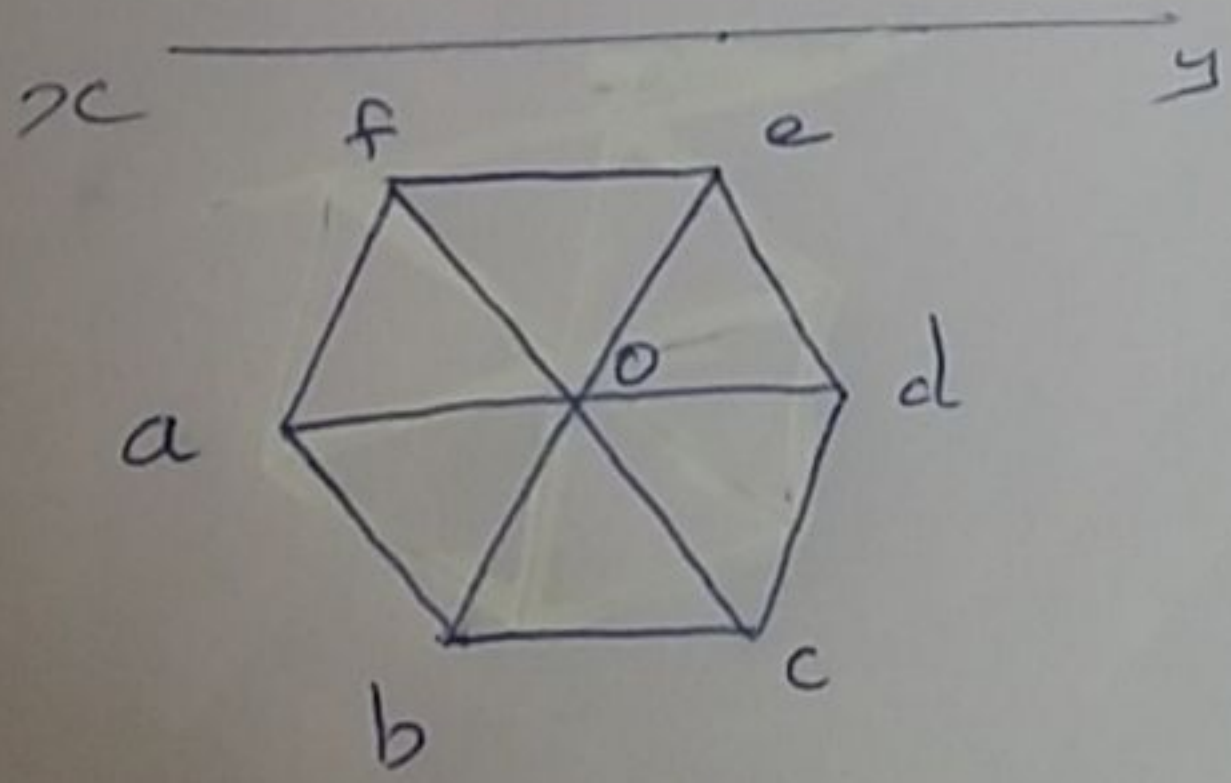

C
P
D
B
A

Draw the iso. View & iso. proj. of Lexagonal pyramid side 25 mm & ht. 50mm resting on its base on H.P with one base edge ⊥ to V.P.

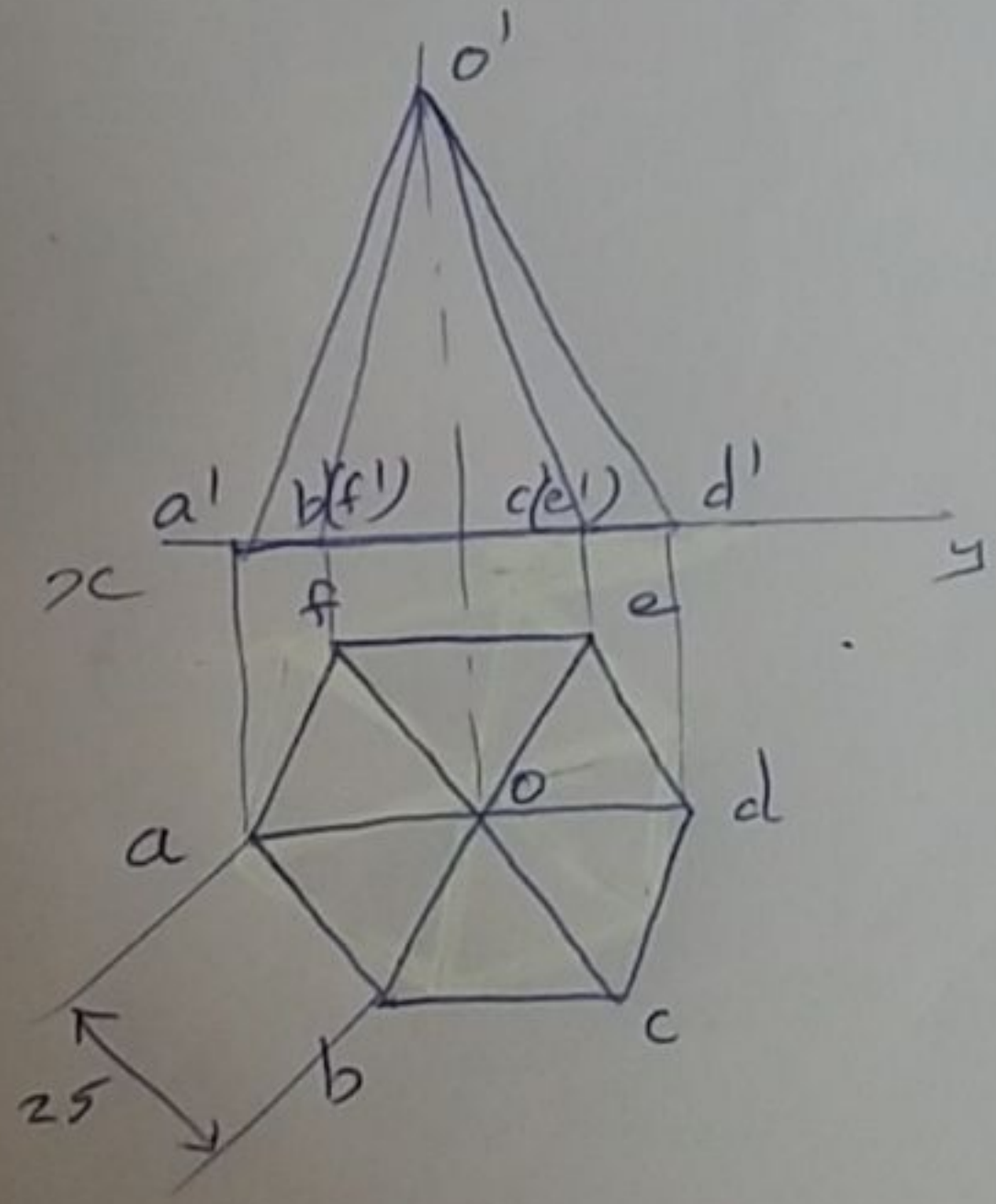
Isometric View



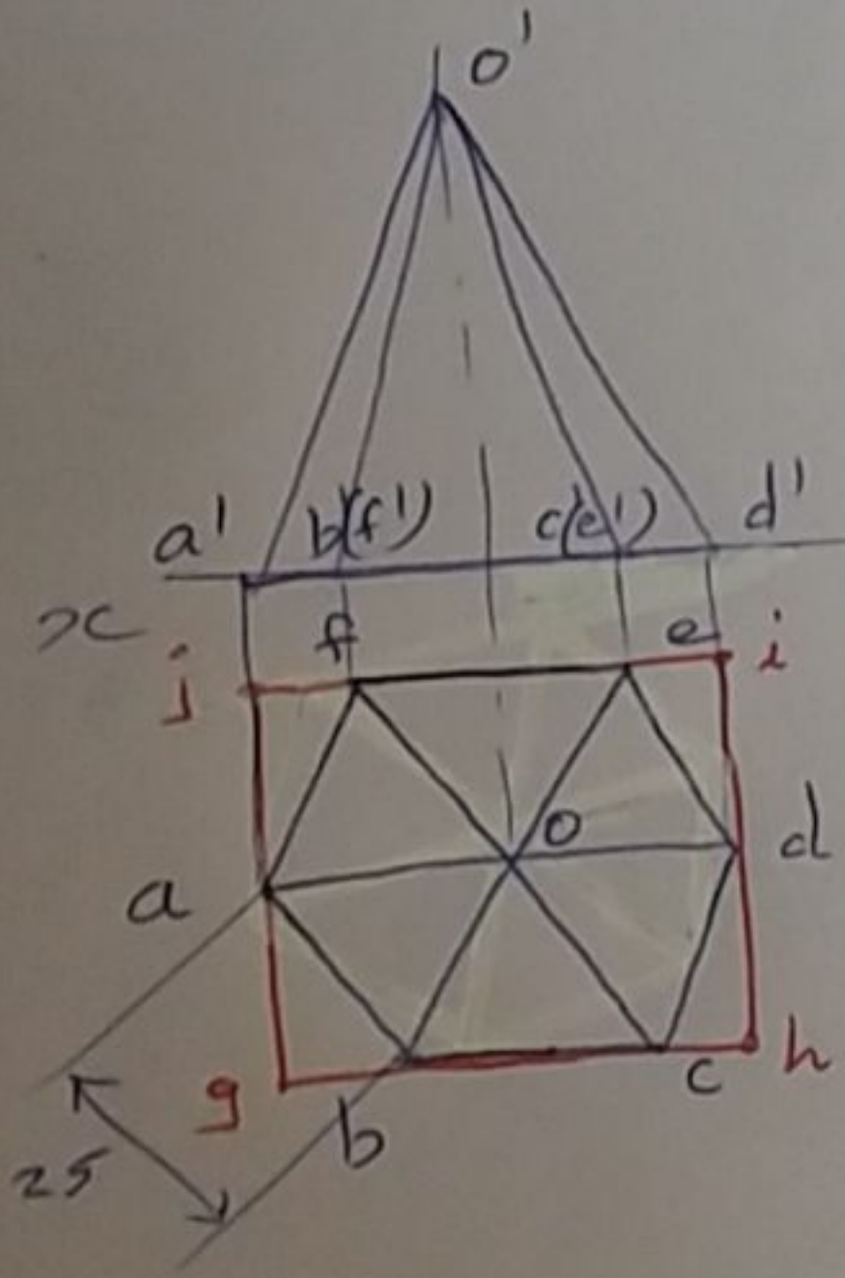
Isometric View



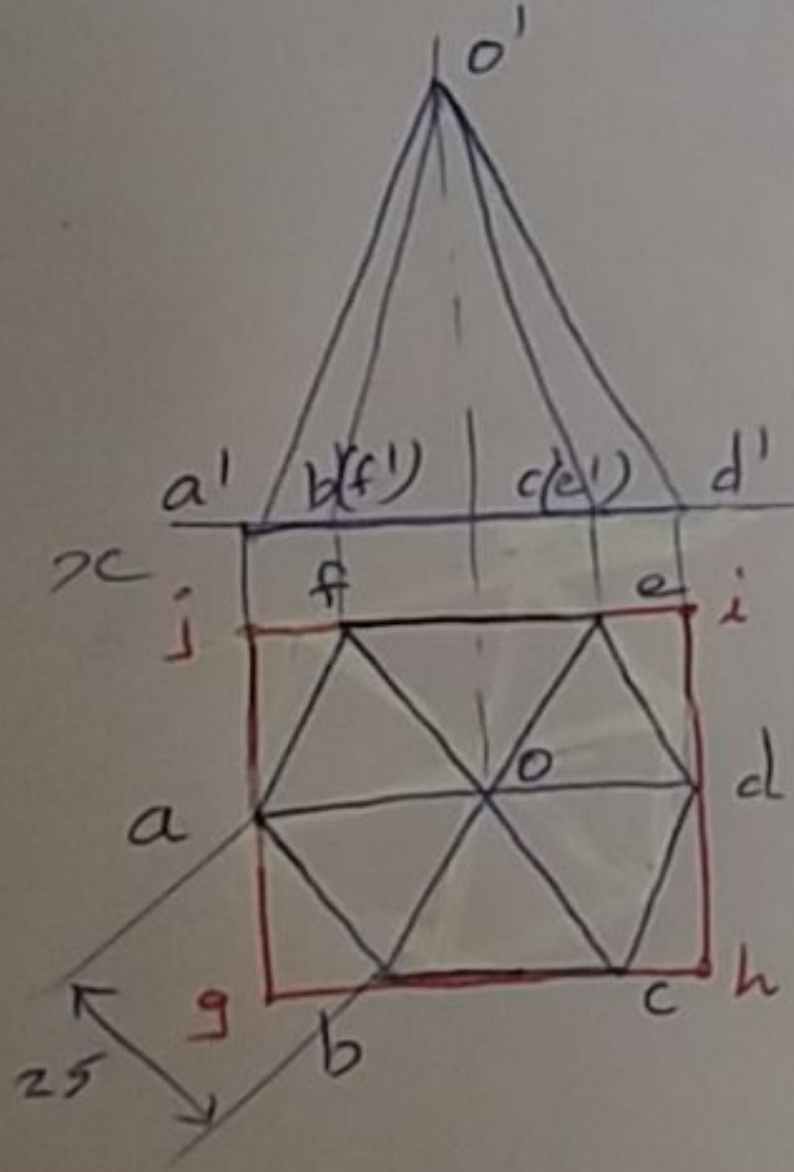
Isometric View

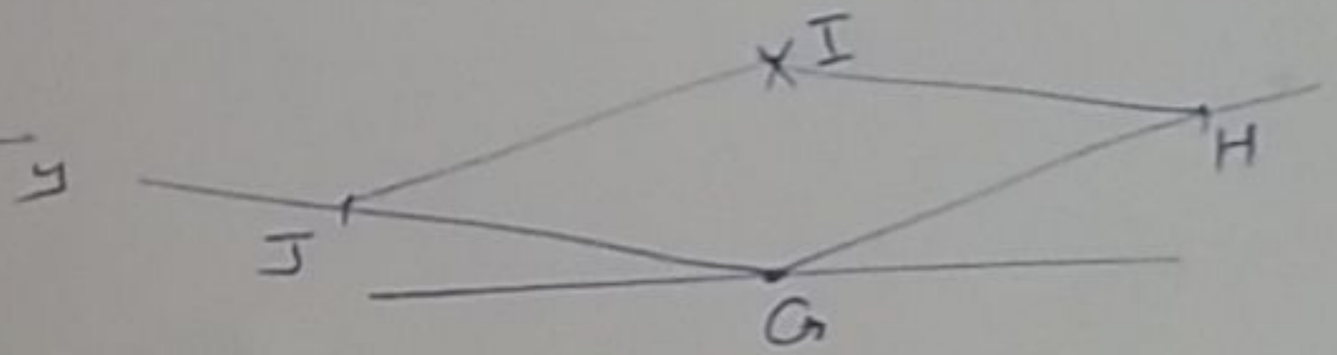


Isometric View

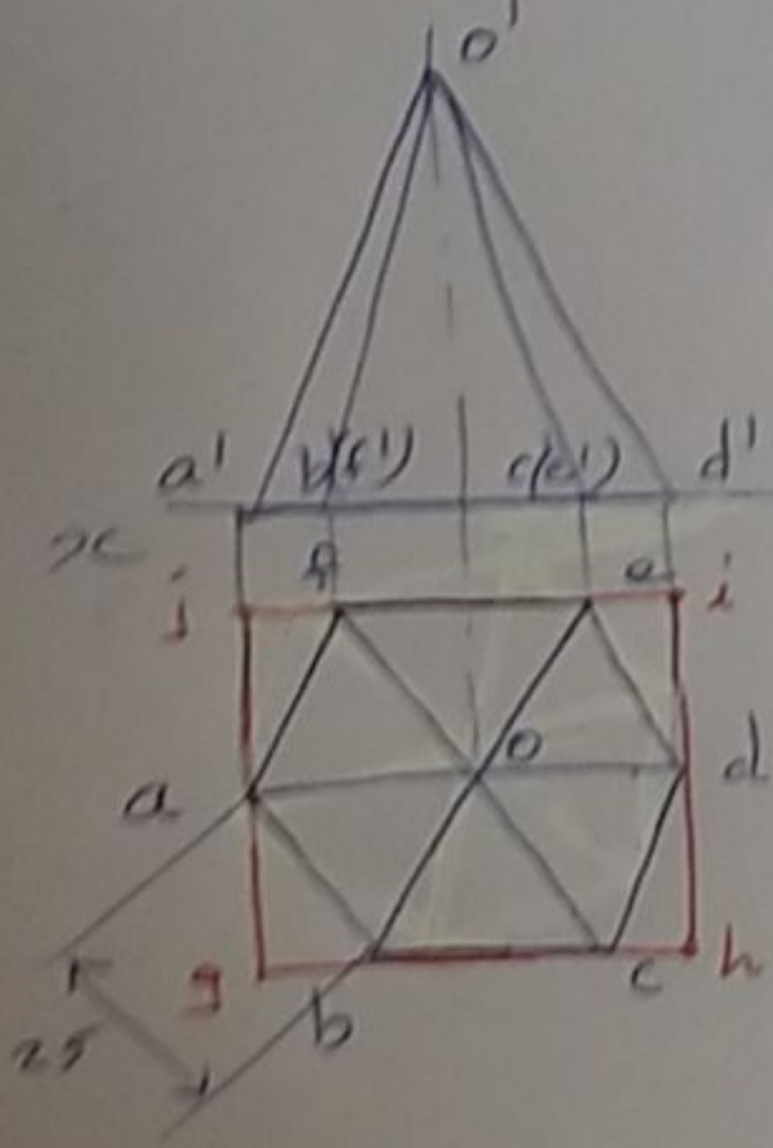


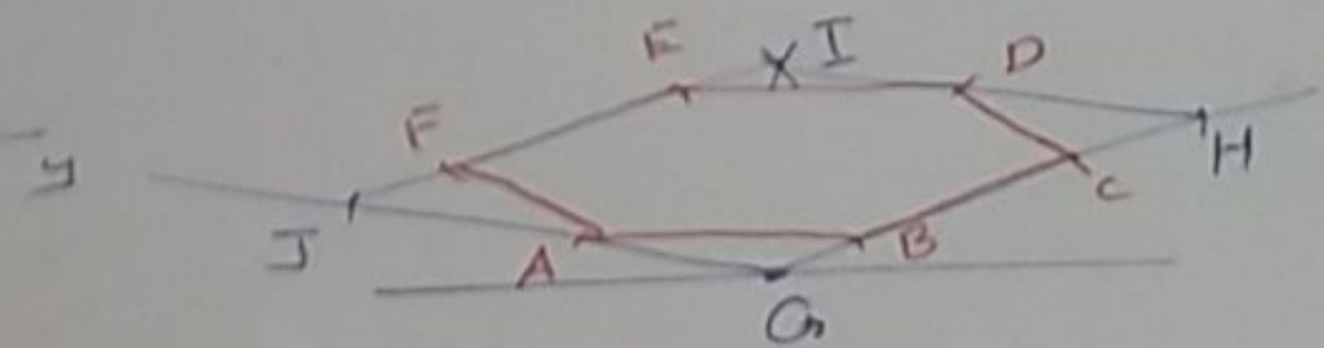
Isometric View



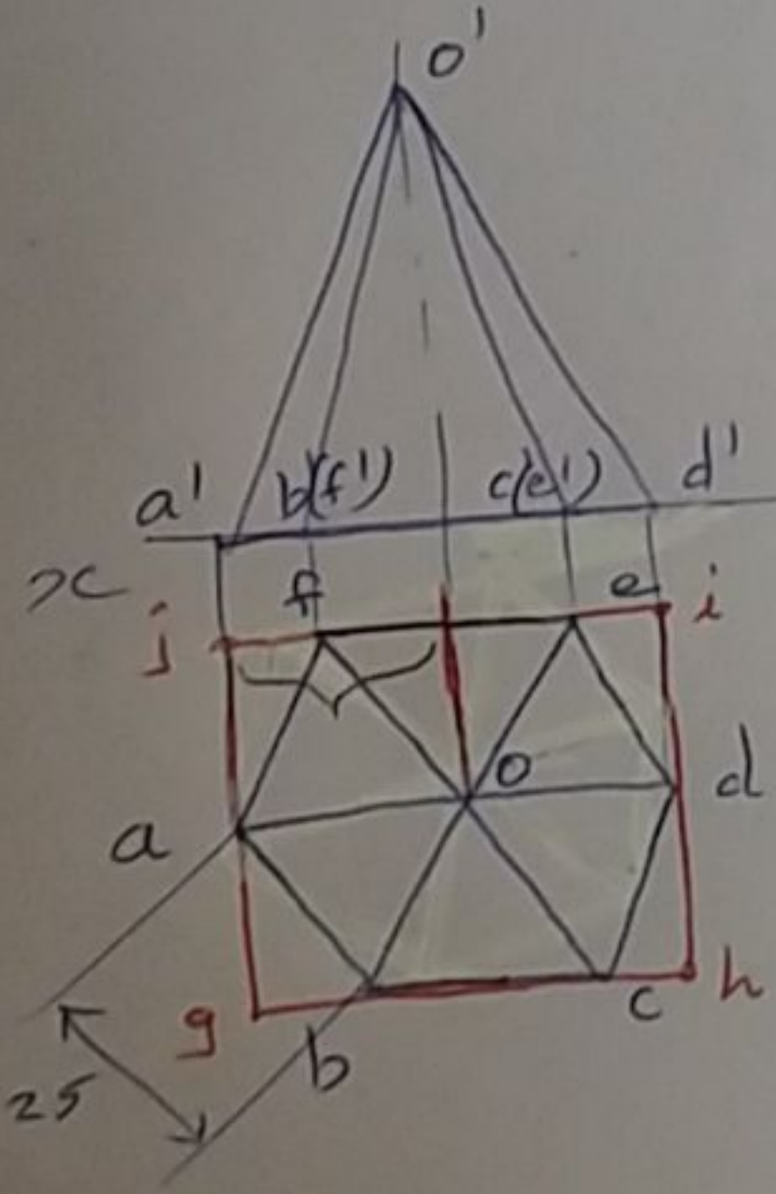


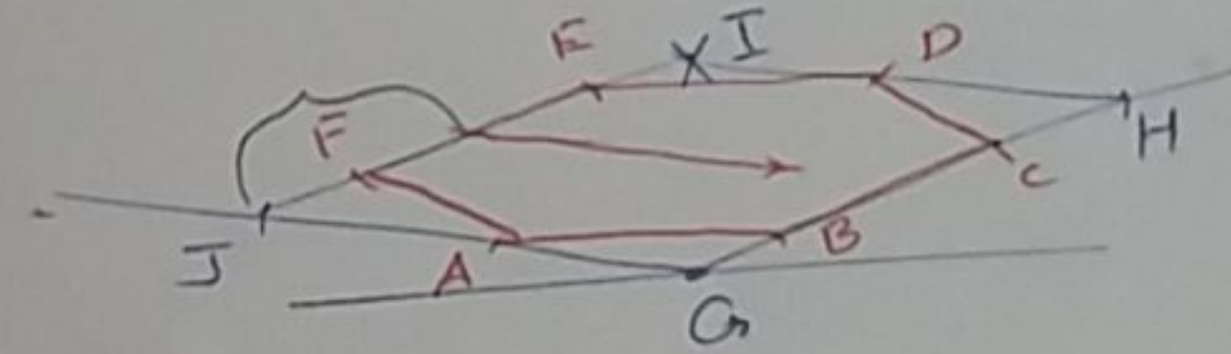
Isometric View



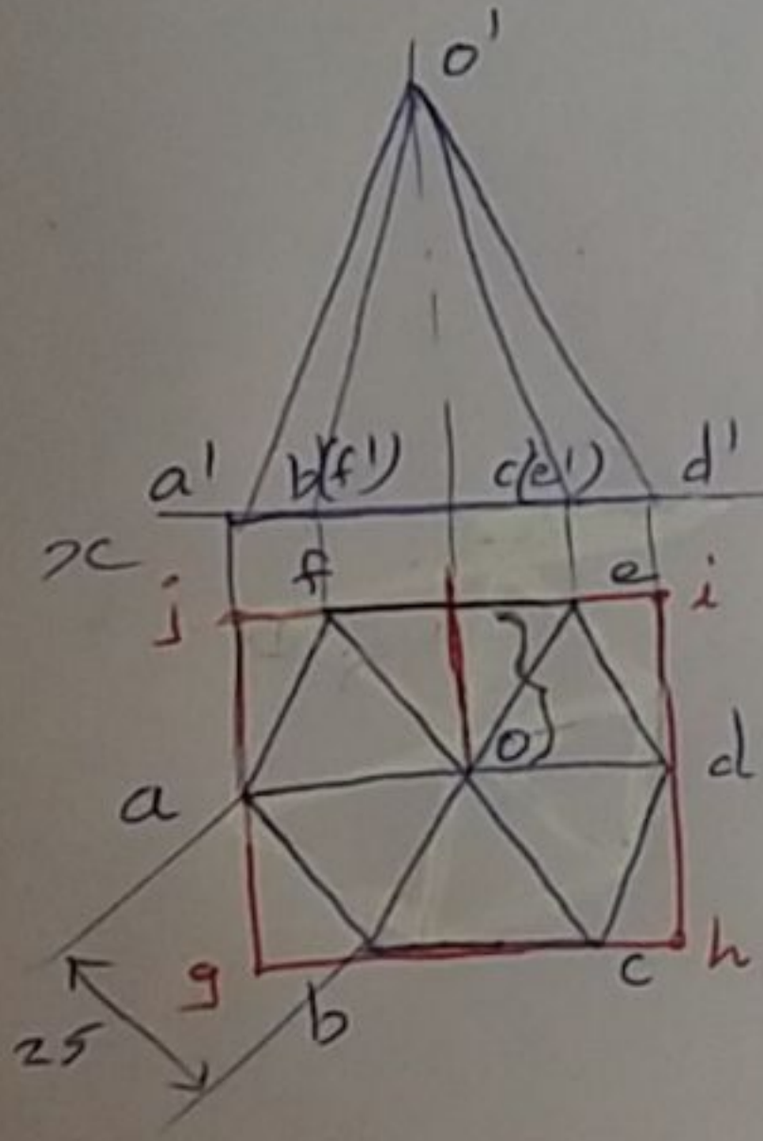


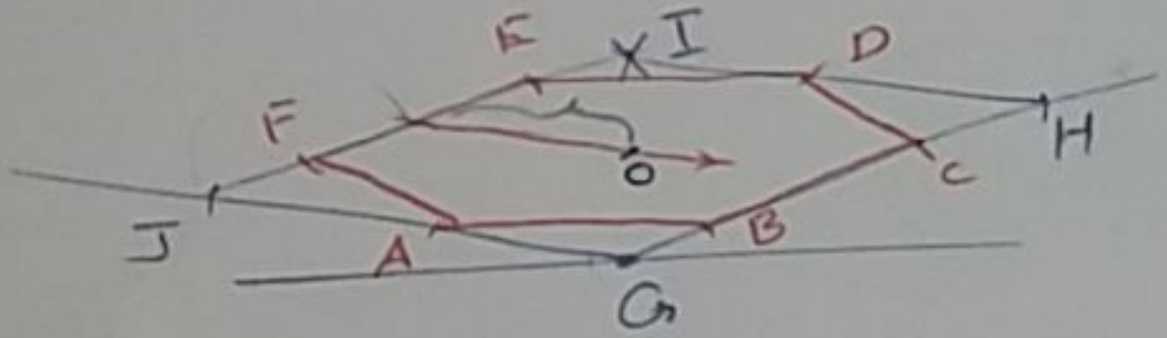
Isometric View



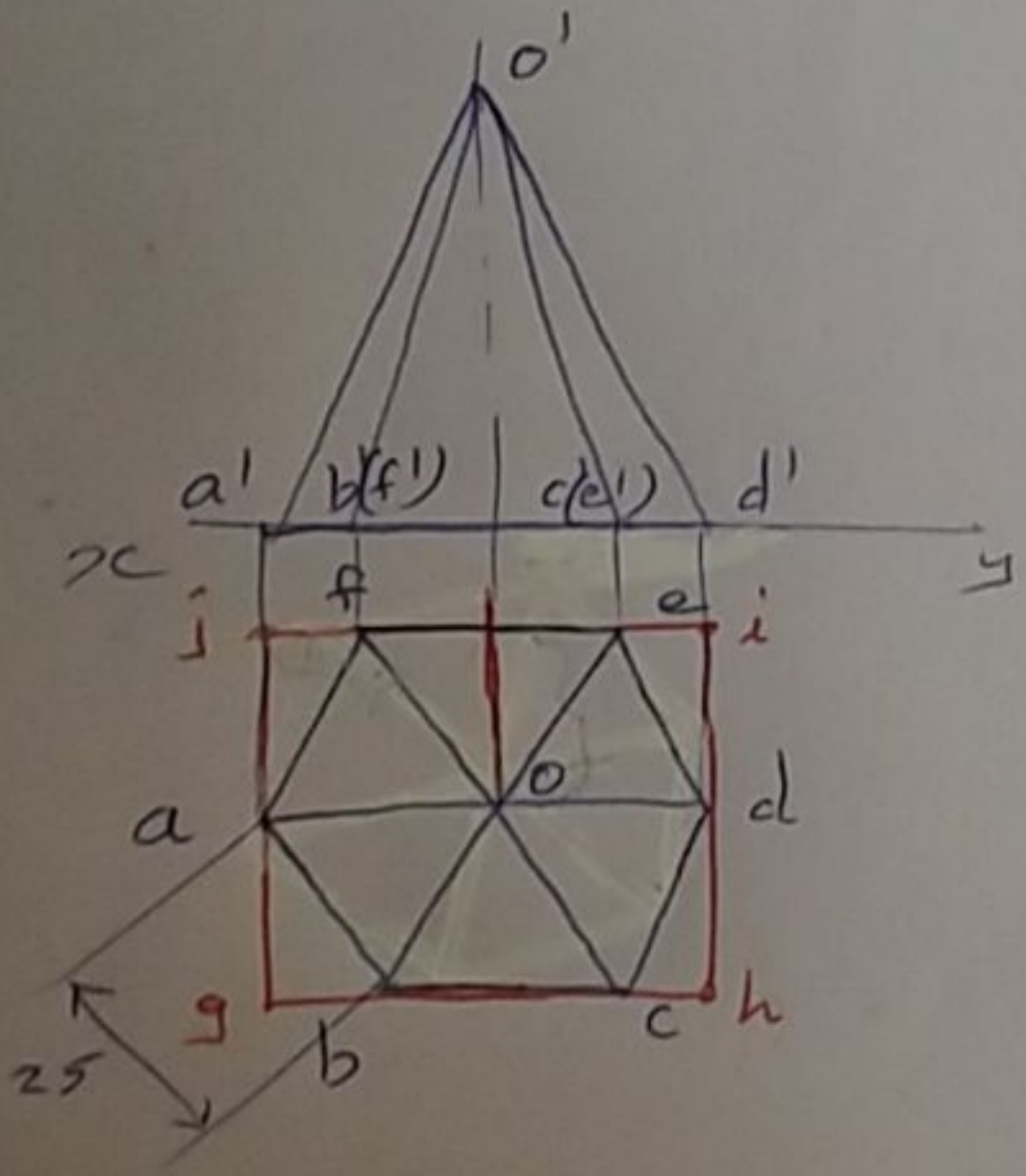


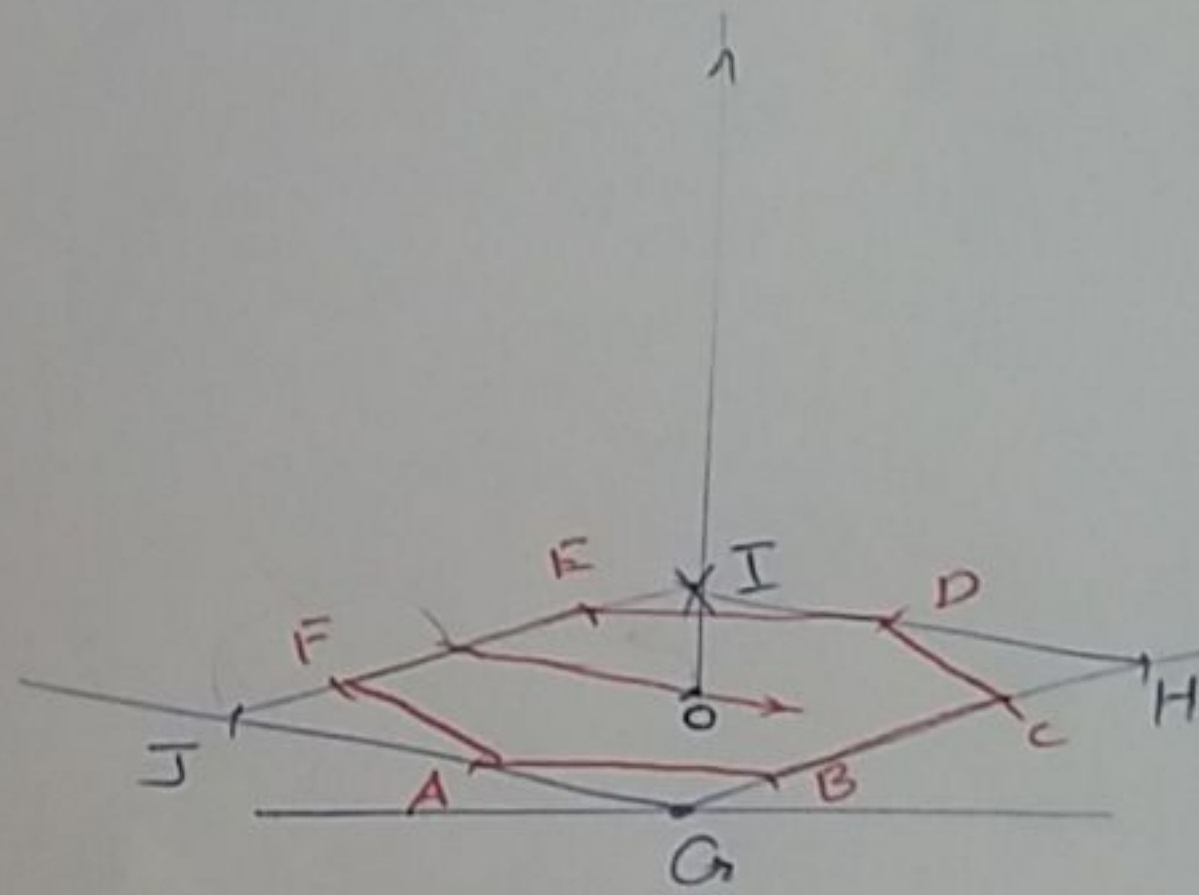
Isometric View



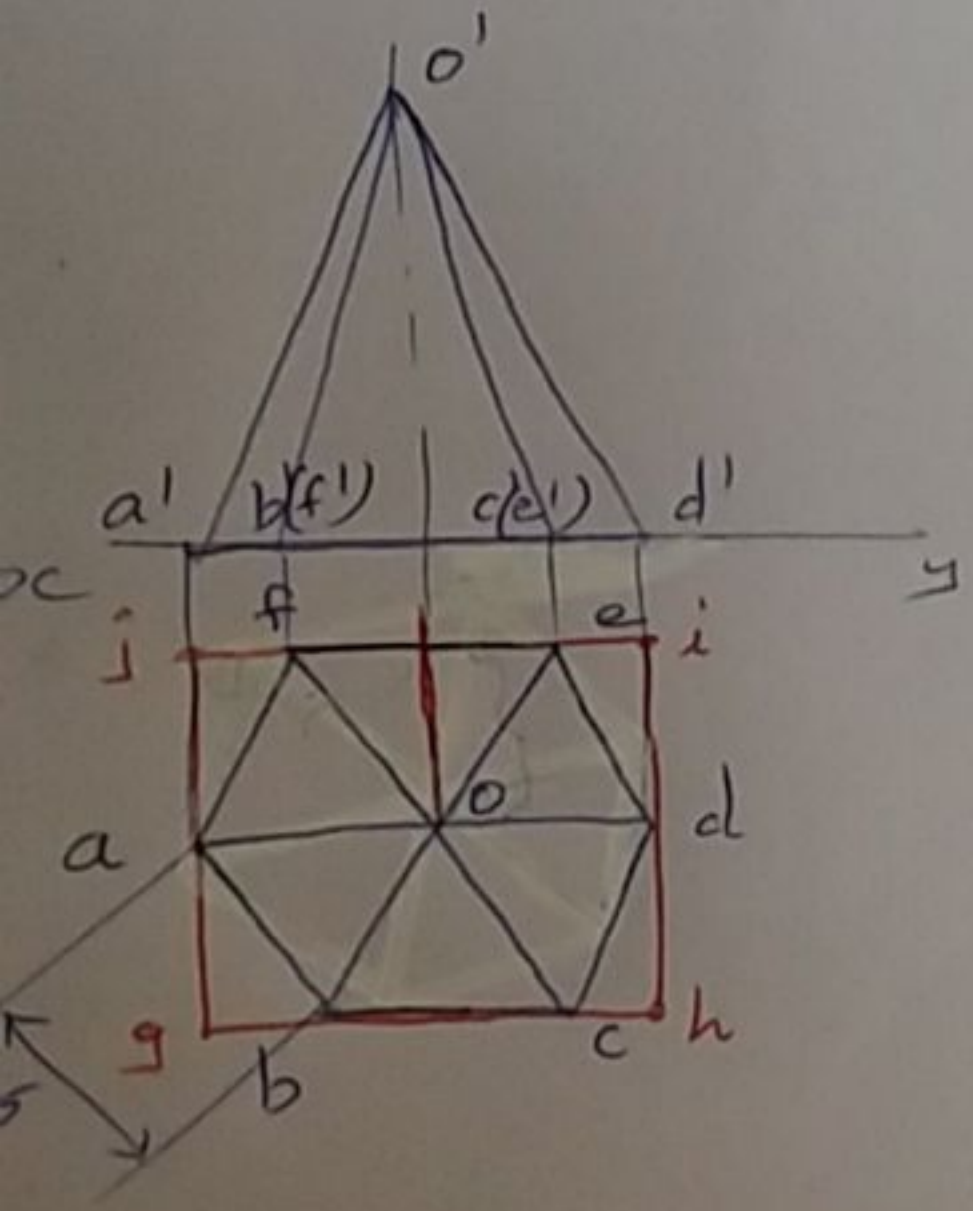


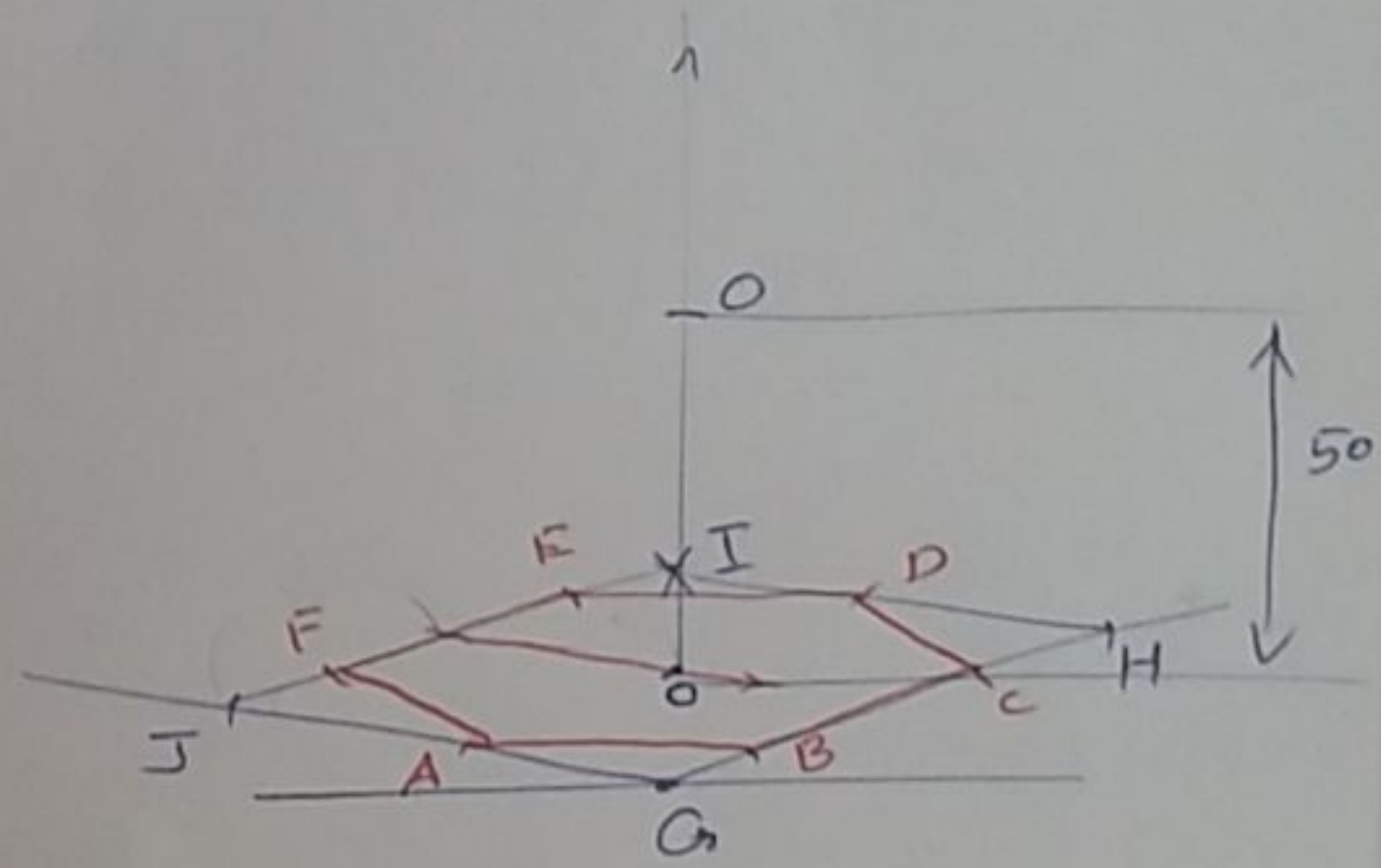
Isometric View



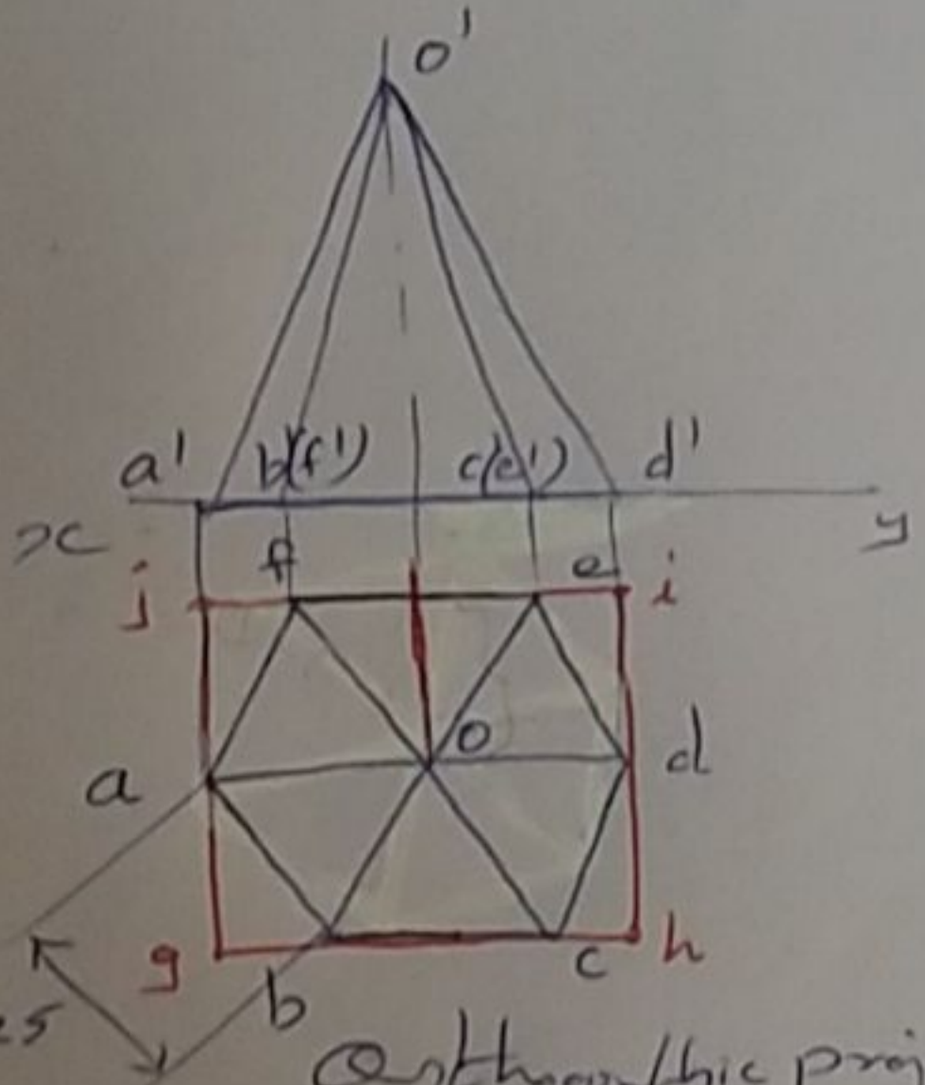


Isometric View

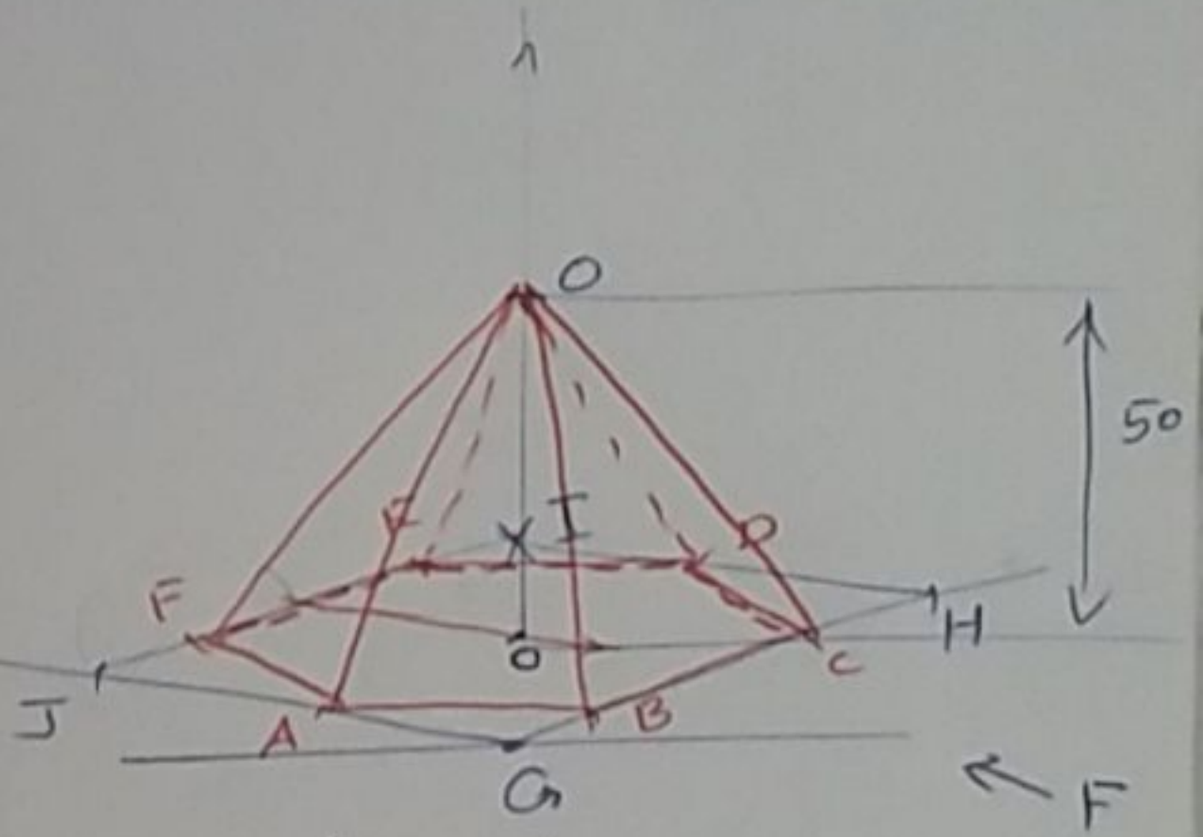




Isometric View

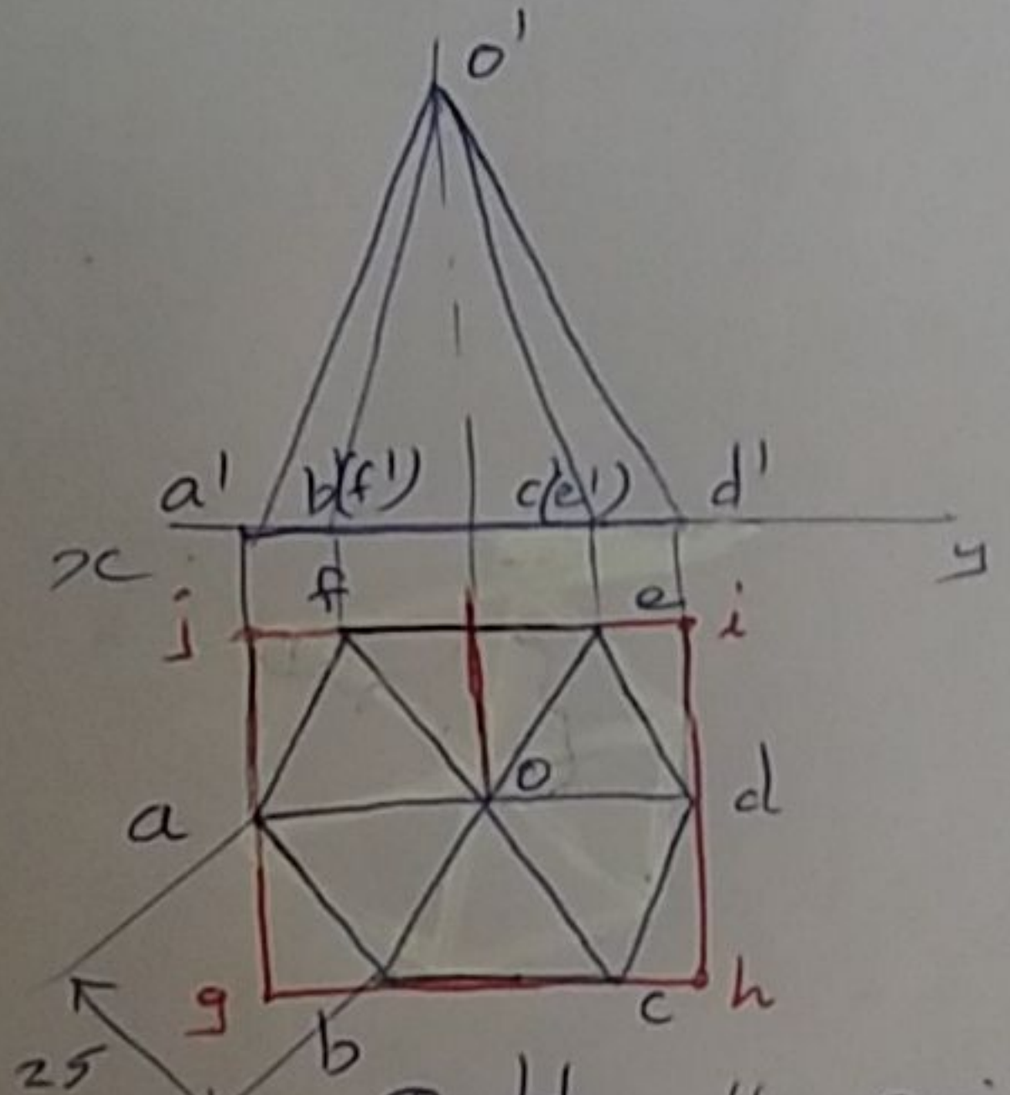


orthographic projection



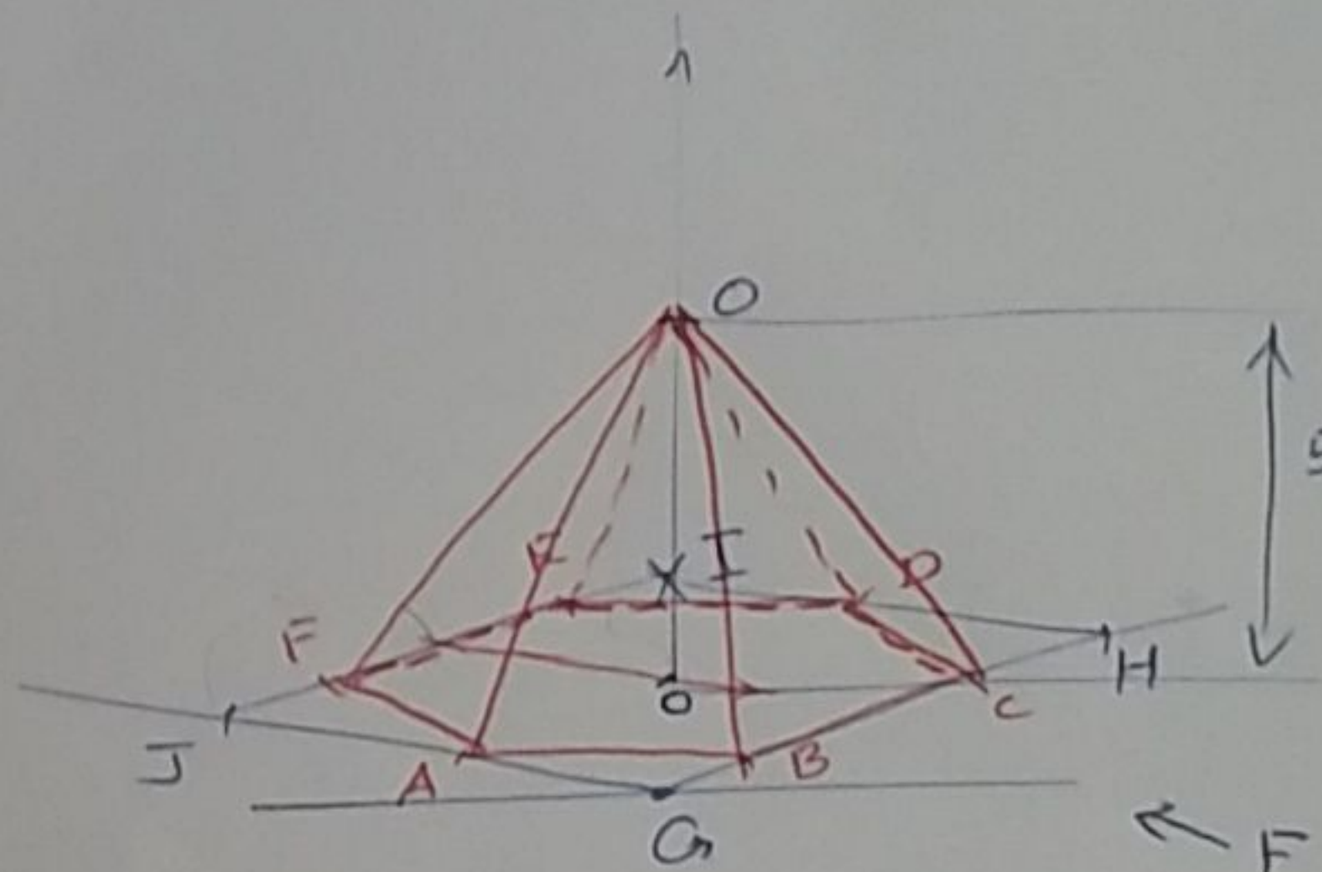
Isometric View

Isometric View



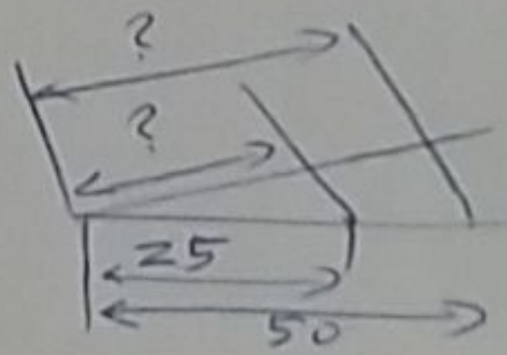
Orthographic projection

Iso. projection

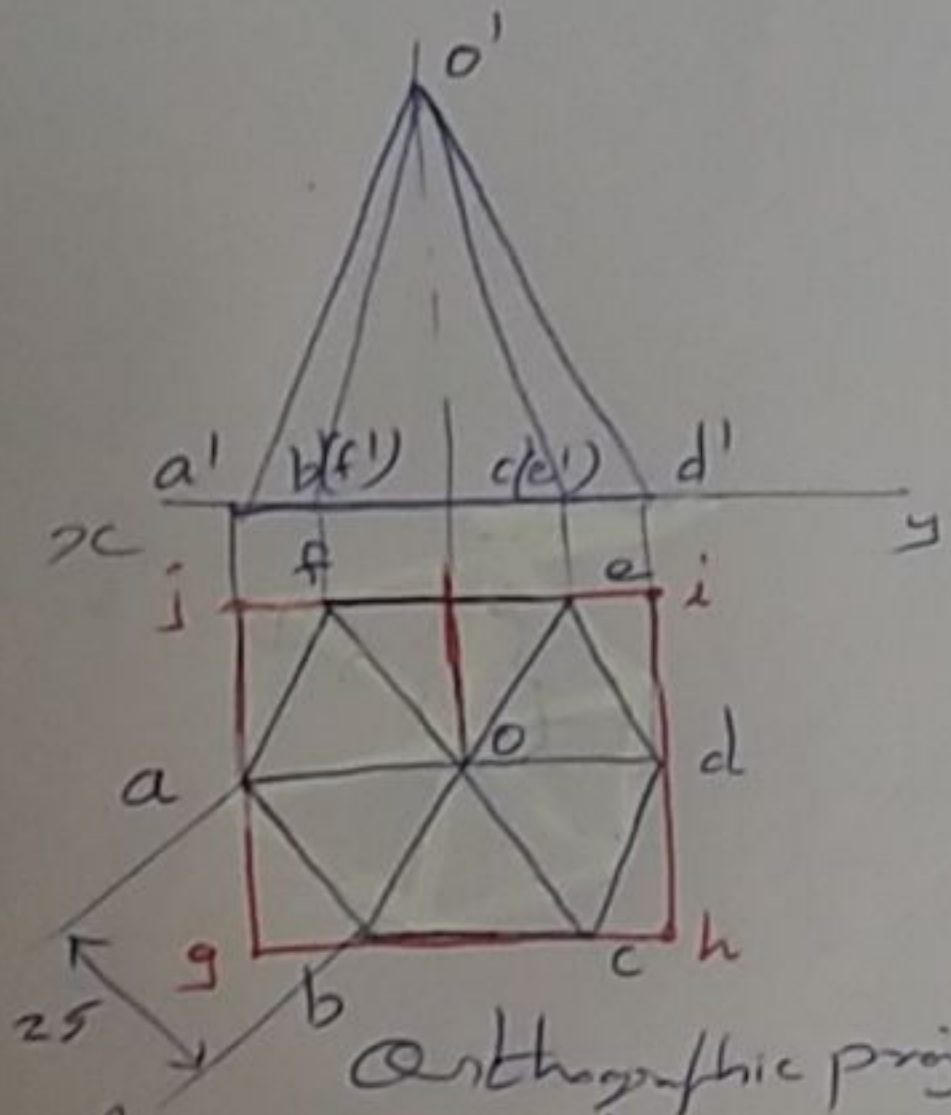


Isometric View

Iso. Scale

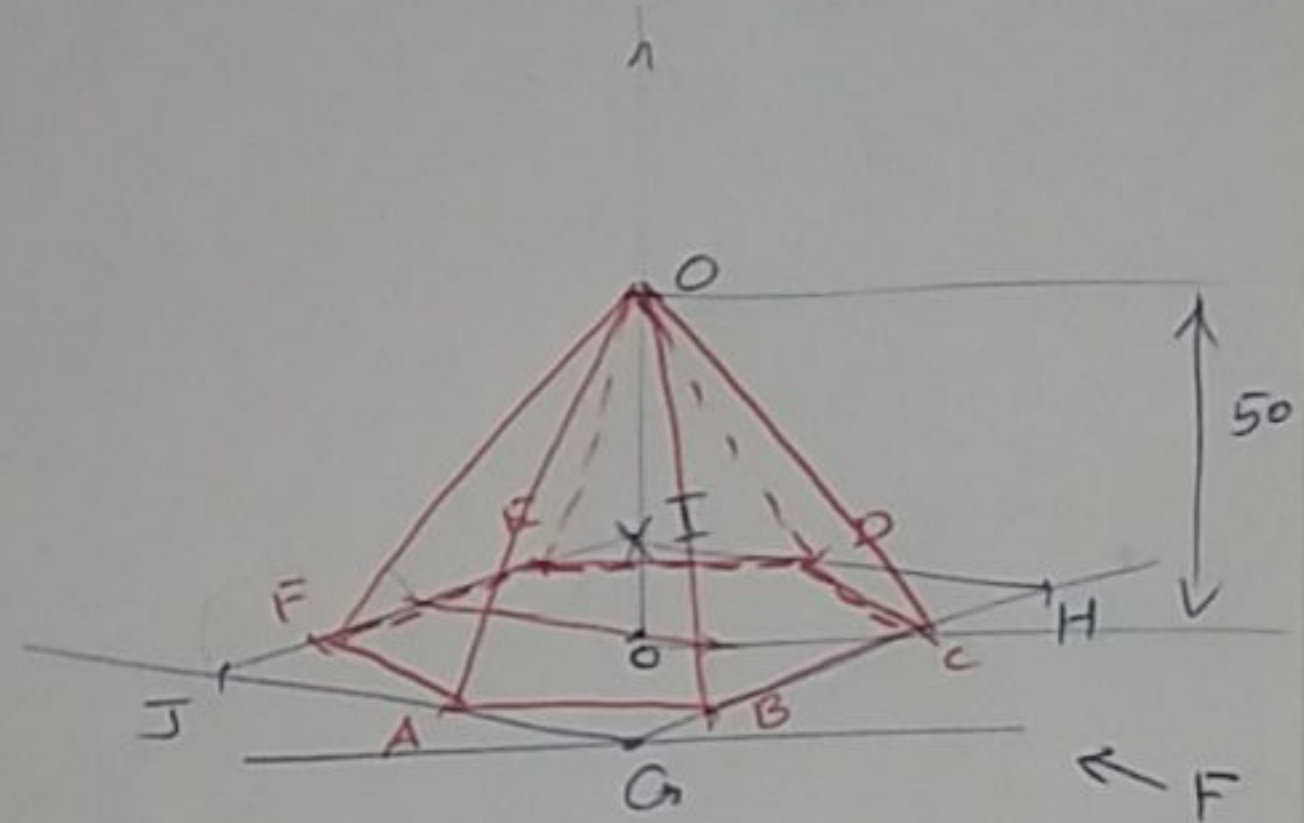


Isometric View

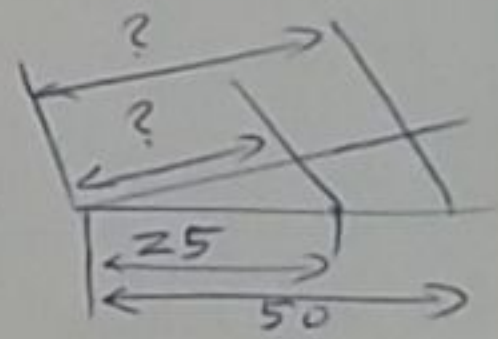


Orthographic projection

Iso. projection



Isometric View



Iso. Scale

?

Ortho. proj using Iso. Scale

?

Iso. proj.

HW QUESTION

Draw the isometric view and isometric projection of a pentagonal pyramid having side 30mm and height 55mm when it is resting on its base on HP with 2 adjacent base edges equally inclined to VP. Corner containing 2 adjacent base edges equally inclined to VP is nearer to VP.