

Isometric projection

Objects in simple position only

I object resting on its base on H.P.

① One base edge \parallel to V.P

② One base edge \perp to V.P

③ One base edge inclined θ° to V.P

④ 2 adjacent base edges equally inclined to V.P

II object resting on its base on V.P

① One base edge \parallel to H.P

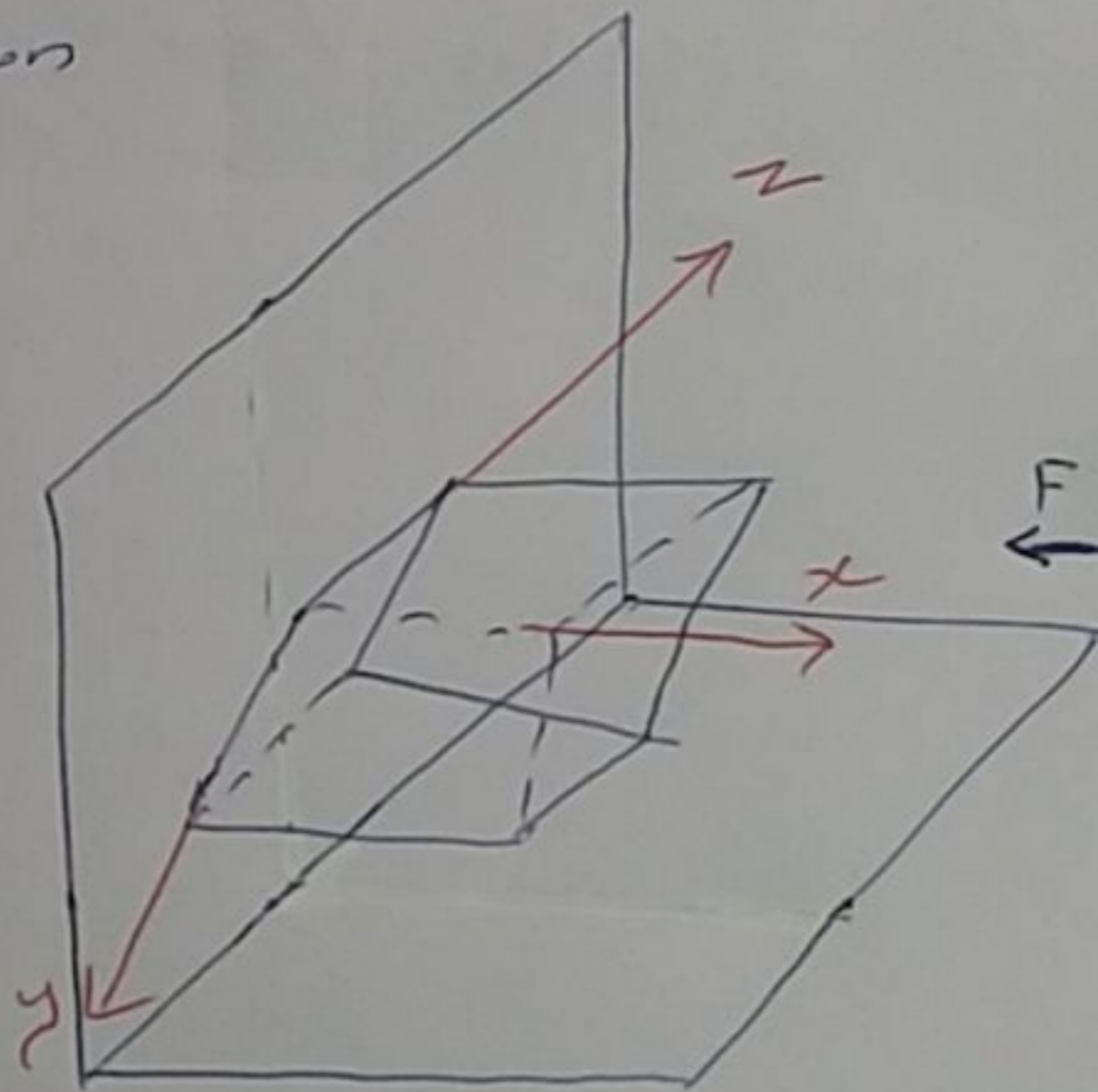
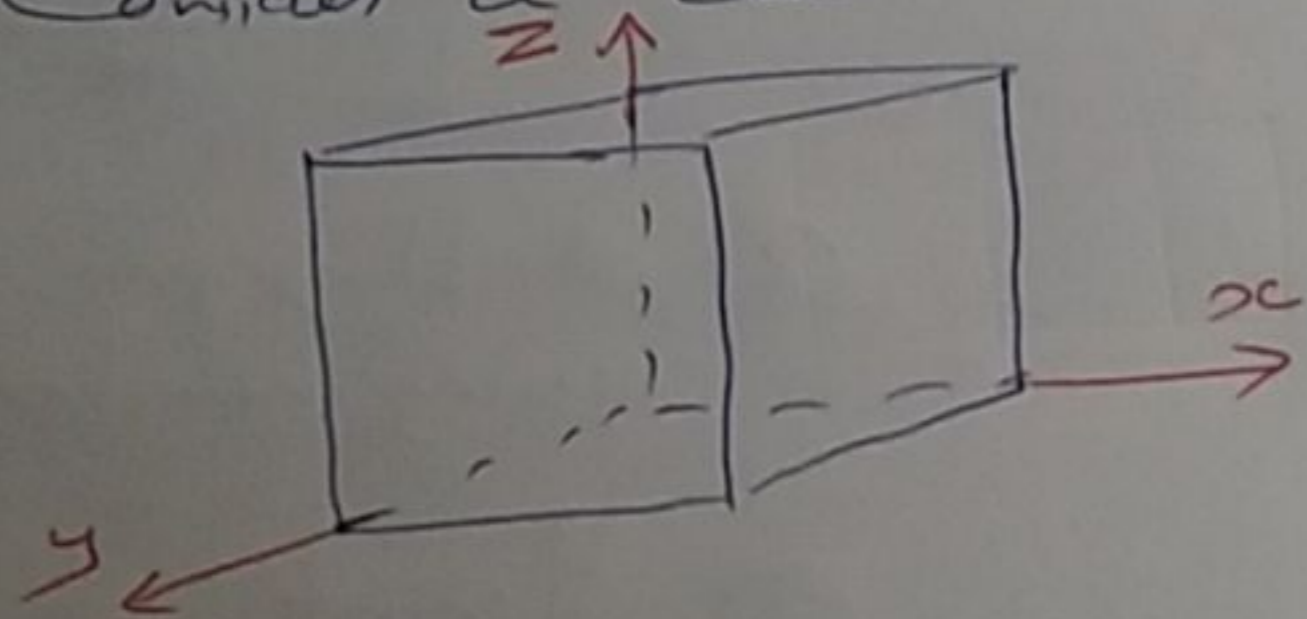
② One base edge \perp to H.P

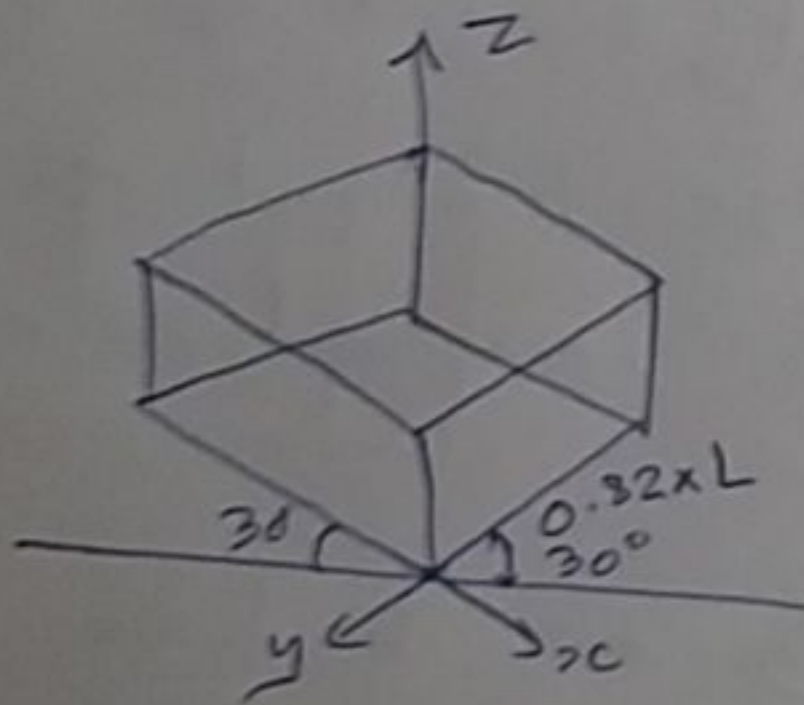
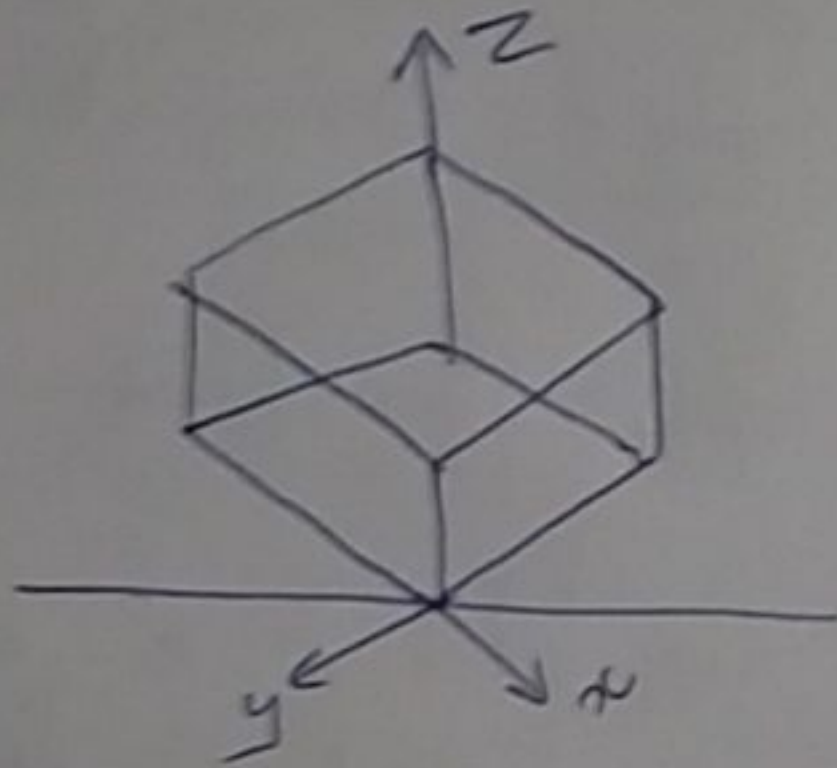
③ One base edge inclined θ° to H.P

④ 2 adjacent base edges equally inclined to H.P.

Isometric projection

Consider a cube





Isometric projection (edges) \Rightarrow 82% of T.L

Isometric View

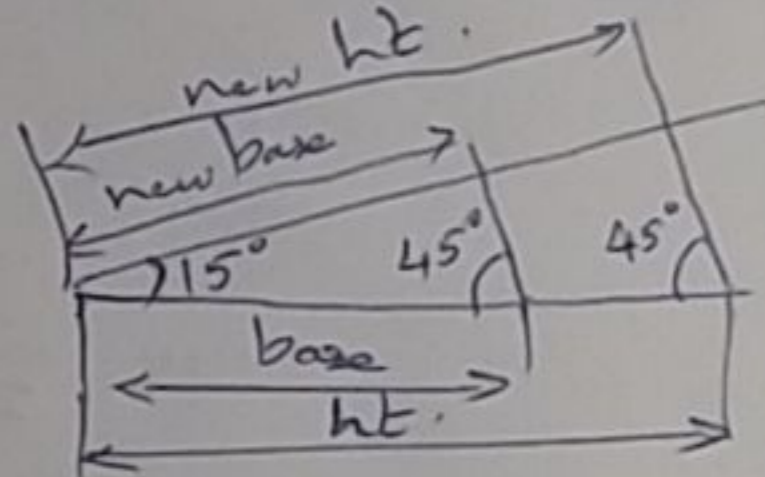
Steps (T.L)

- ① Orthographic projection
- ② Isometric View

Isometric Projection

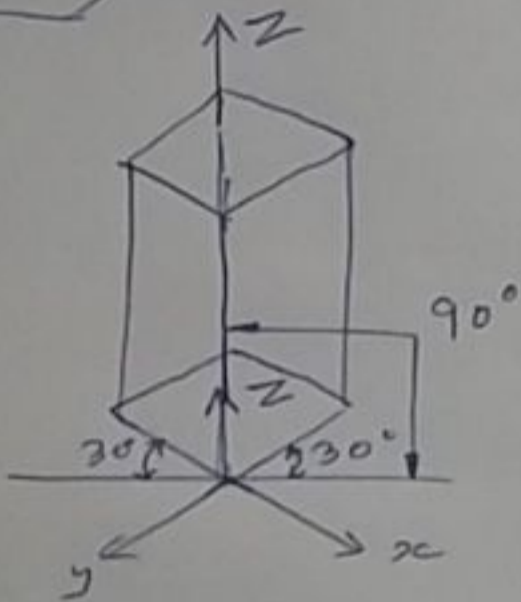
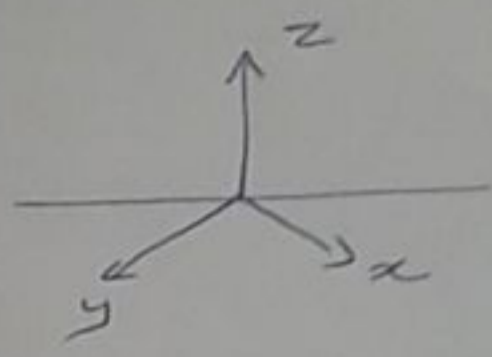
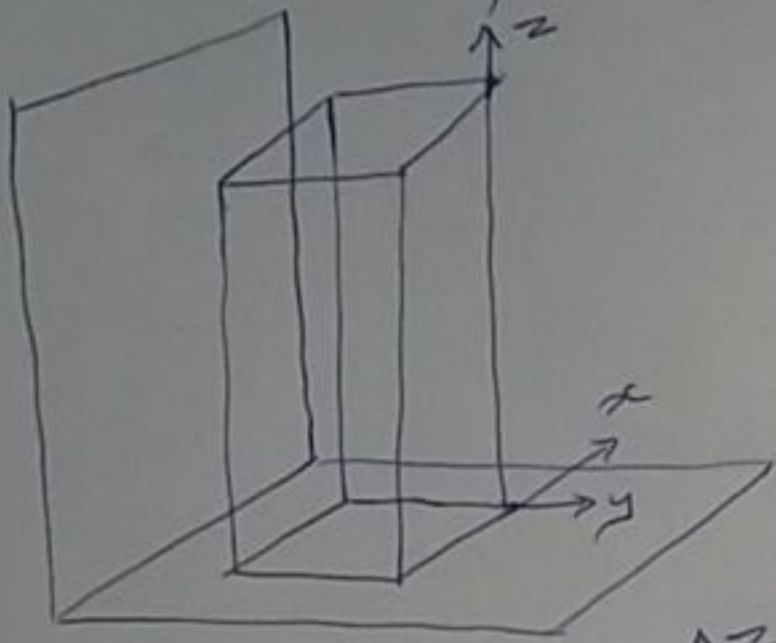
Steps (82% of T.L)

- ① Isometric Scale

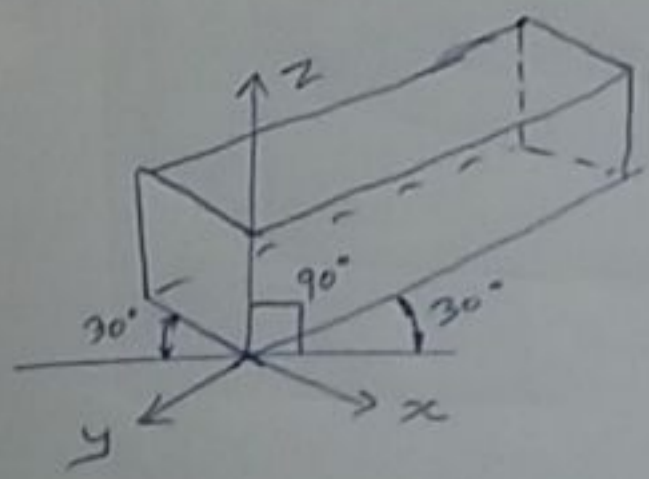
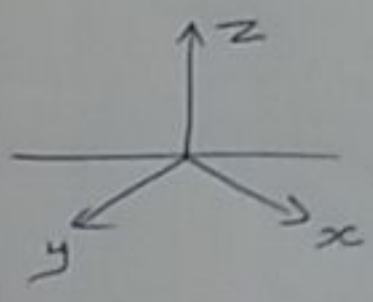
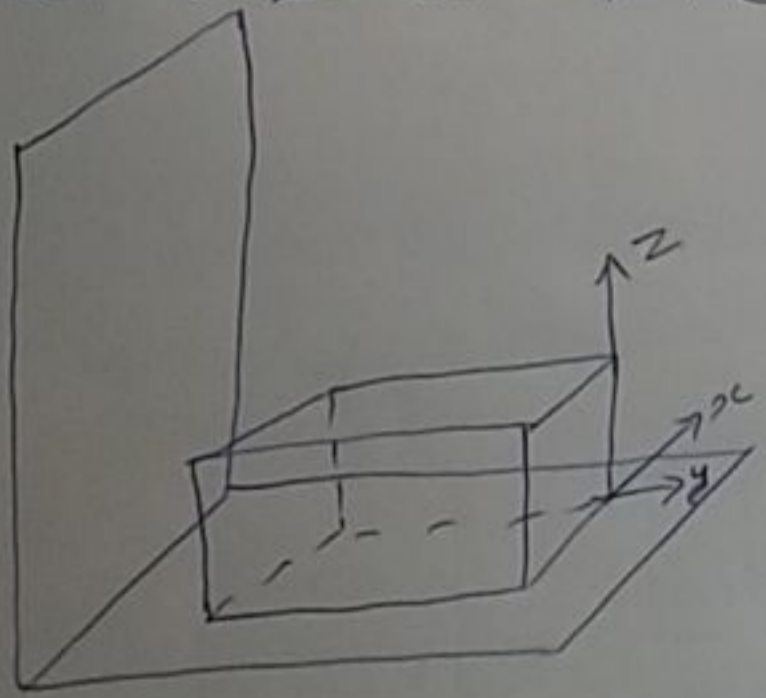


- ② Orthographic projection using new base & new ht.
- ③ Isometric projection

① When base on H.P (when crosssection is seen in top view)

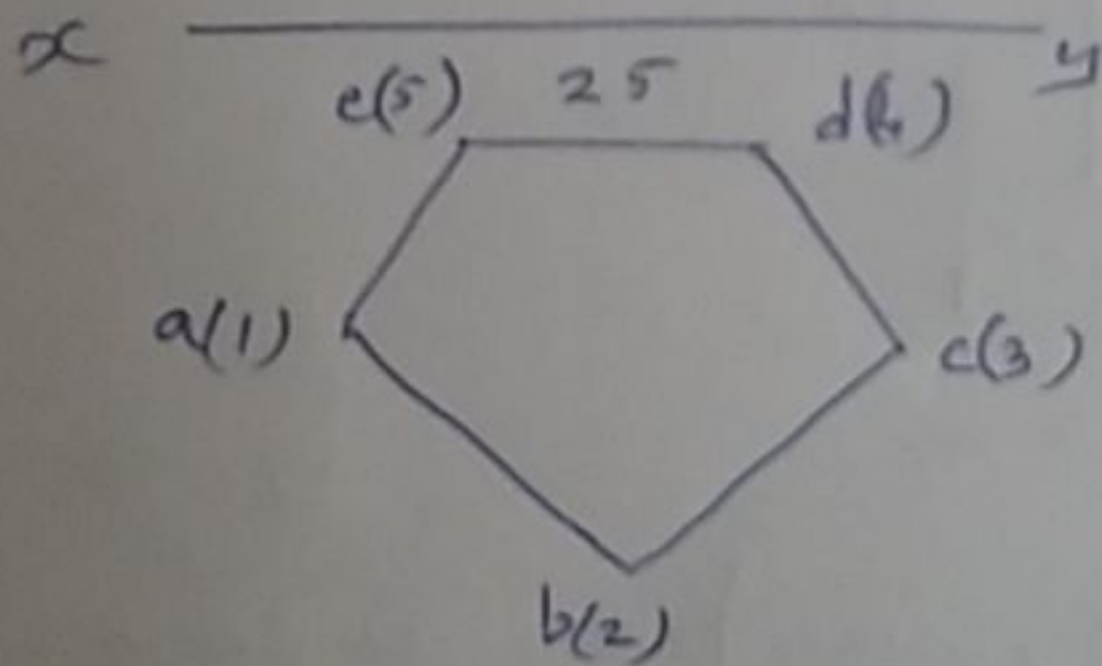


② When base on V.P (crosssection is seen in F.V)

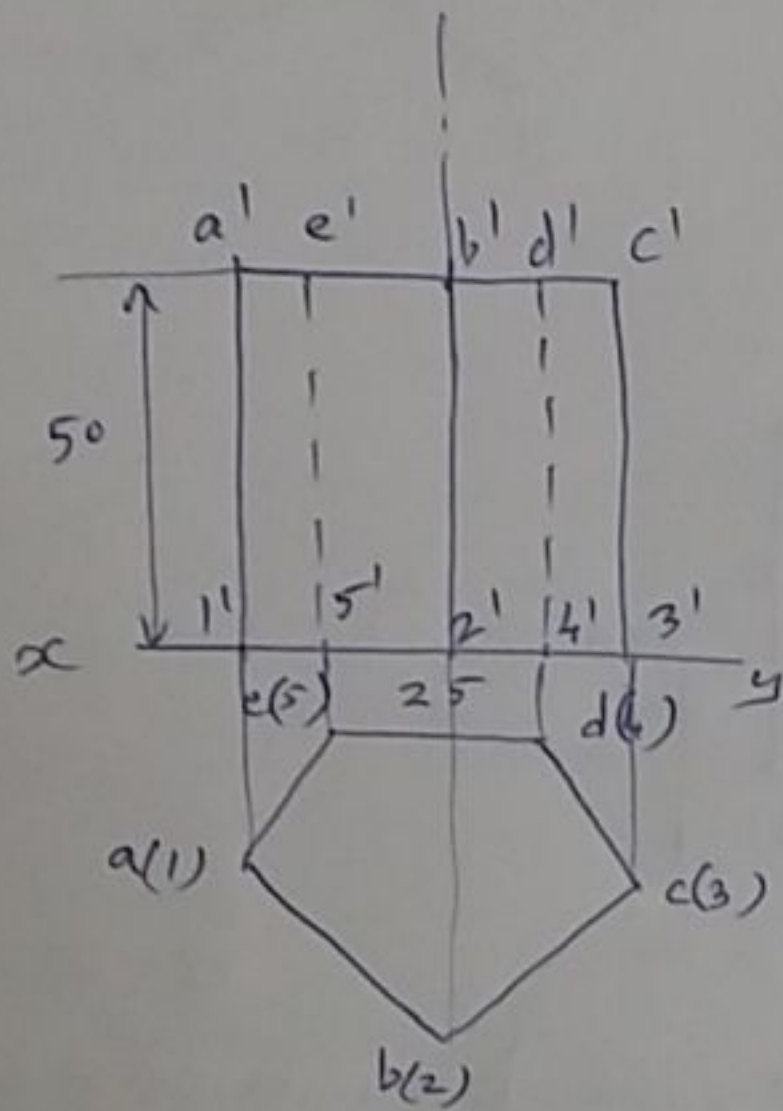


Draw the isometric View and Isometric Projection
of a pentagonal prism base 25mm & ht 50mm
resting on its base on H.P with one base edge
 \parallel to V.P.

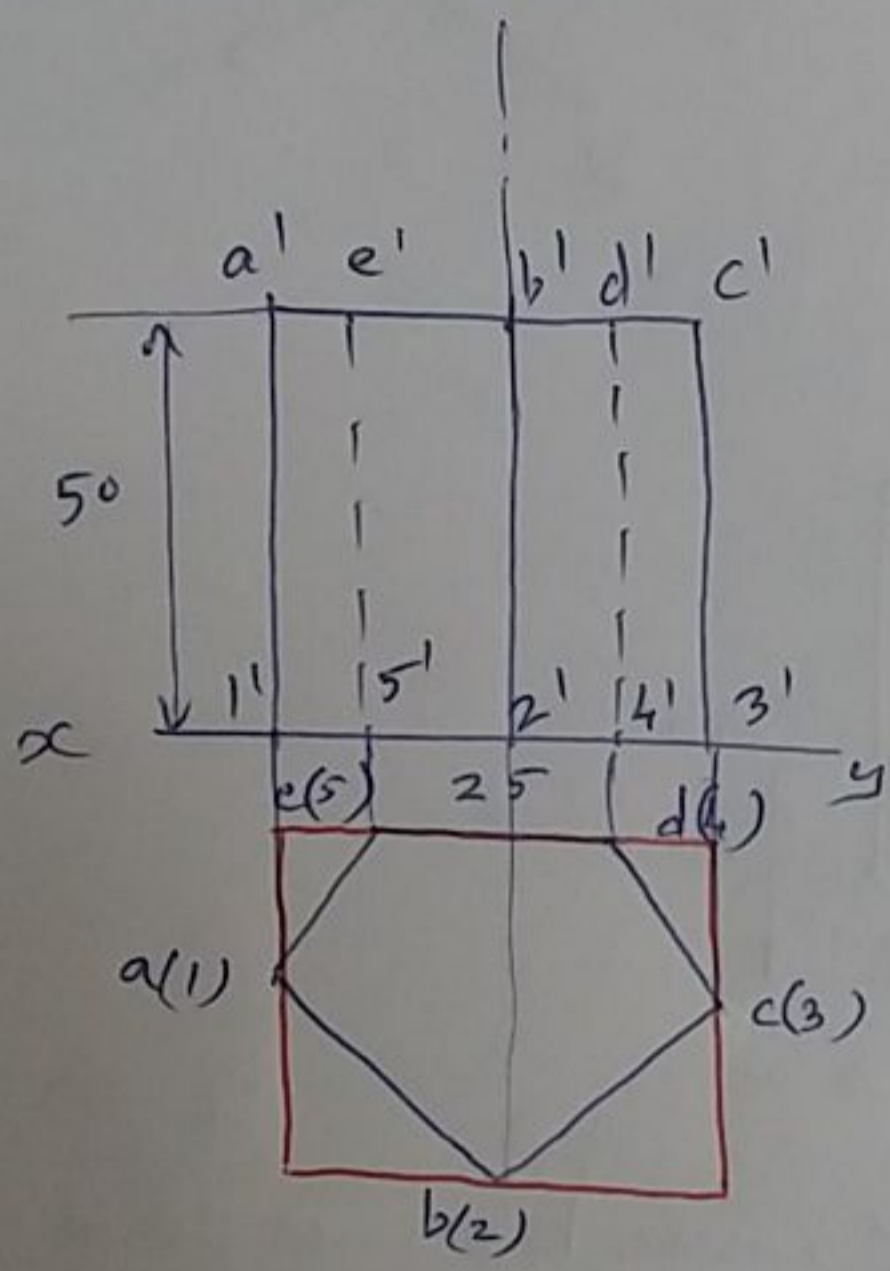
Isometric View



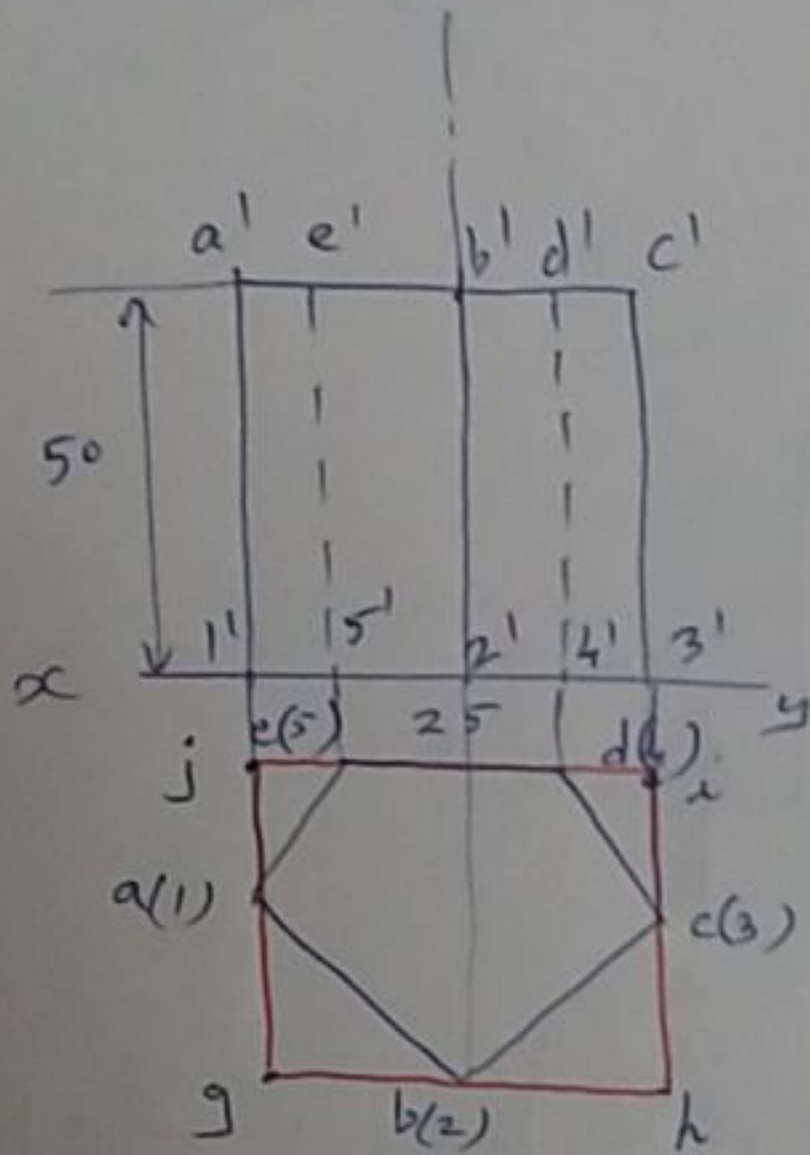
Isometric View



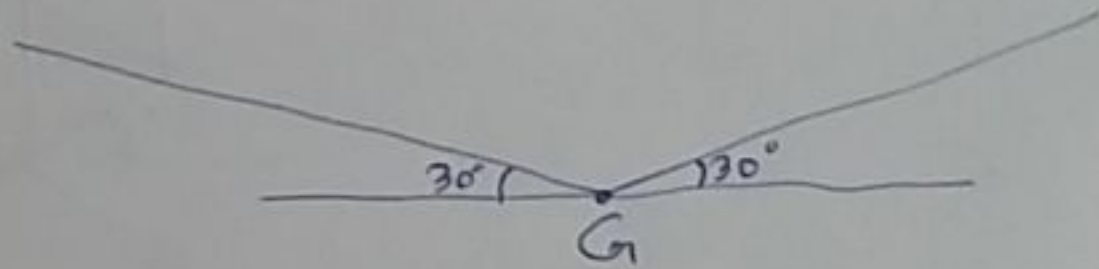
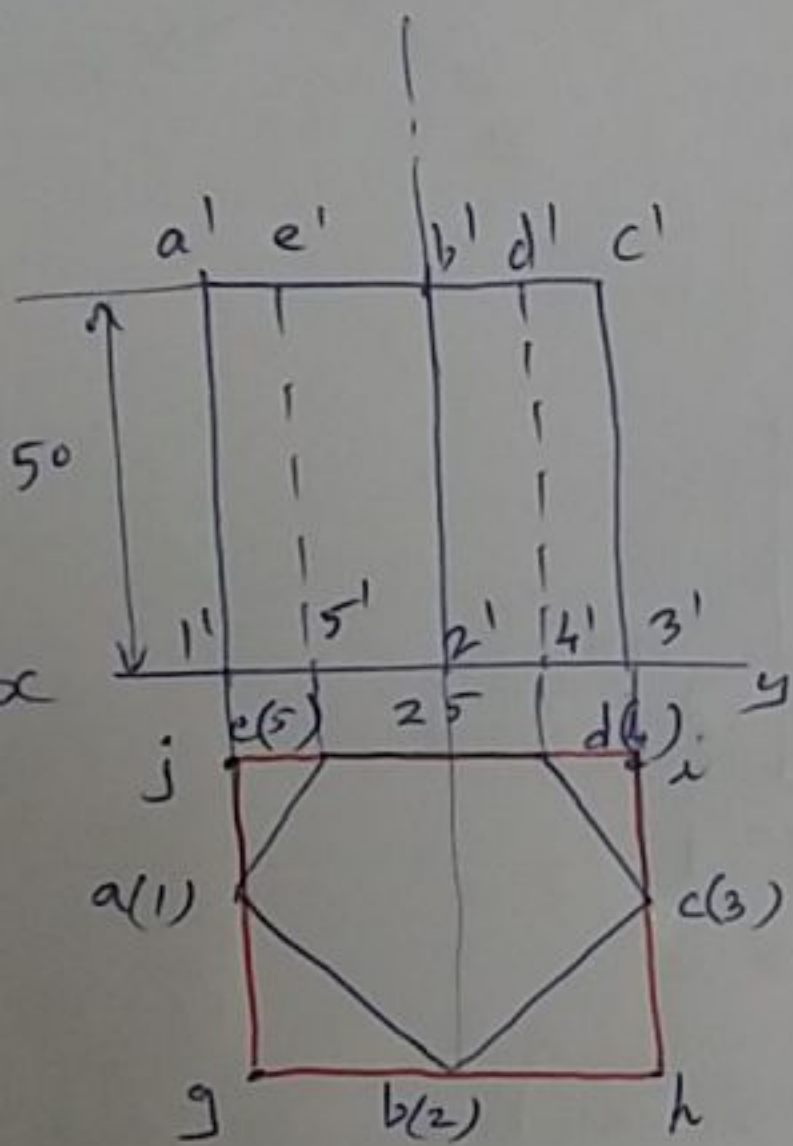
Isometric View



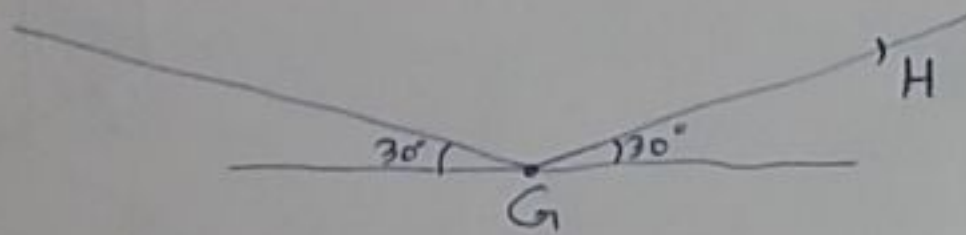
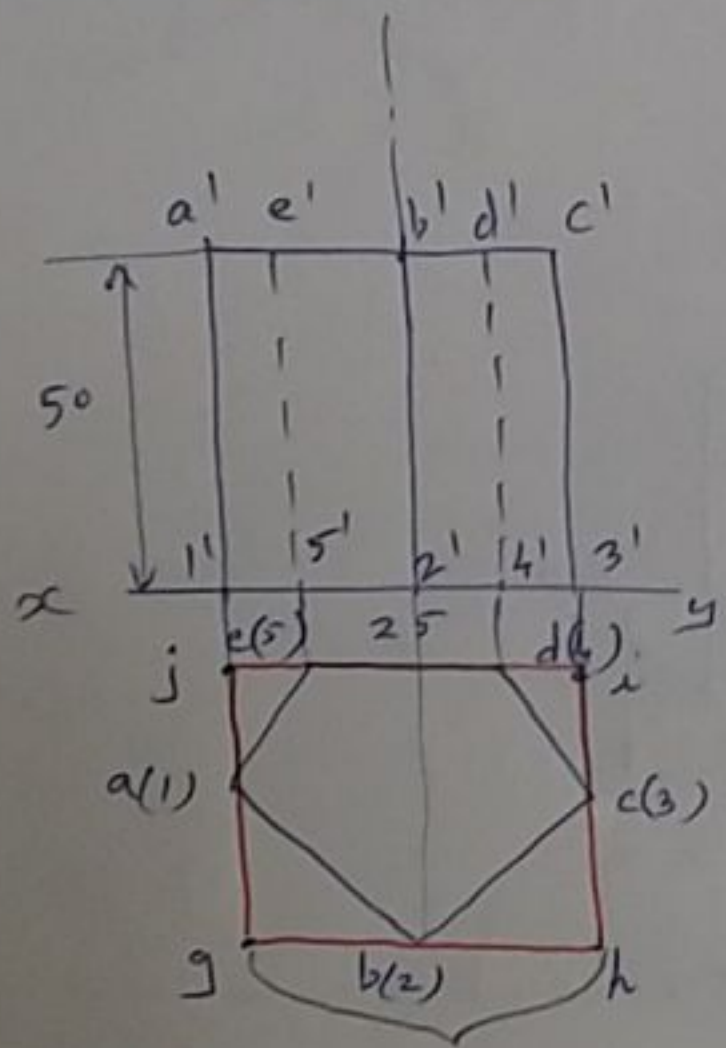
Isometric View



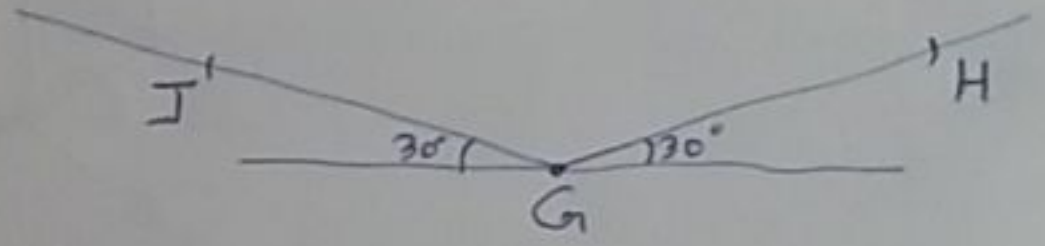
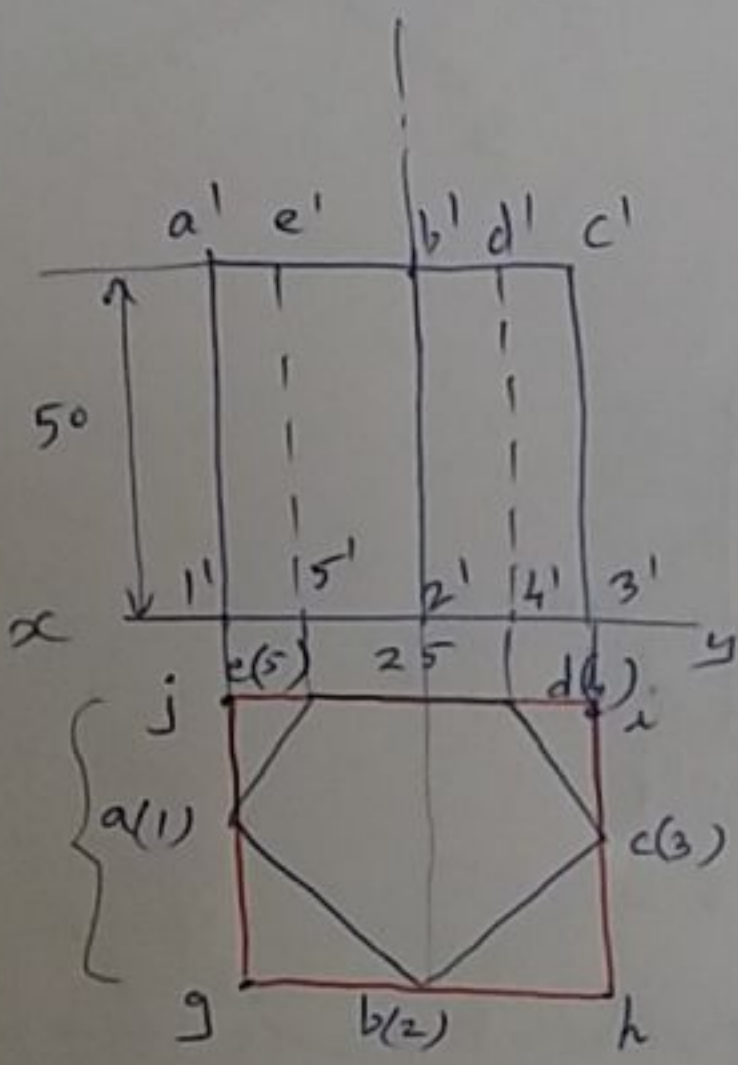
Isometric View



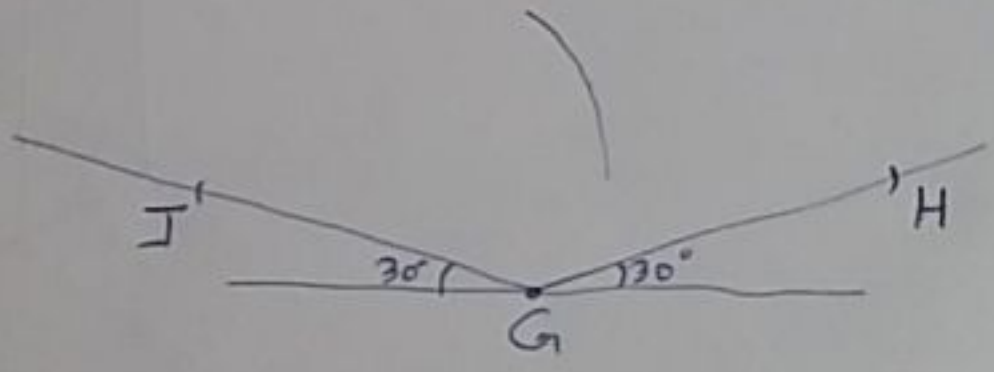
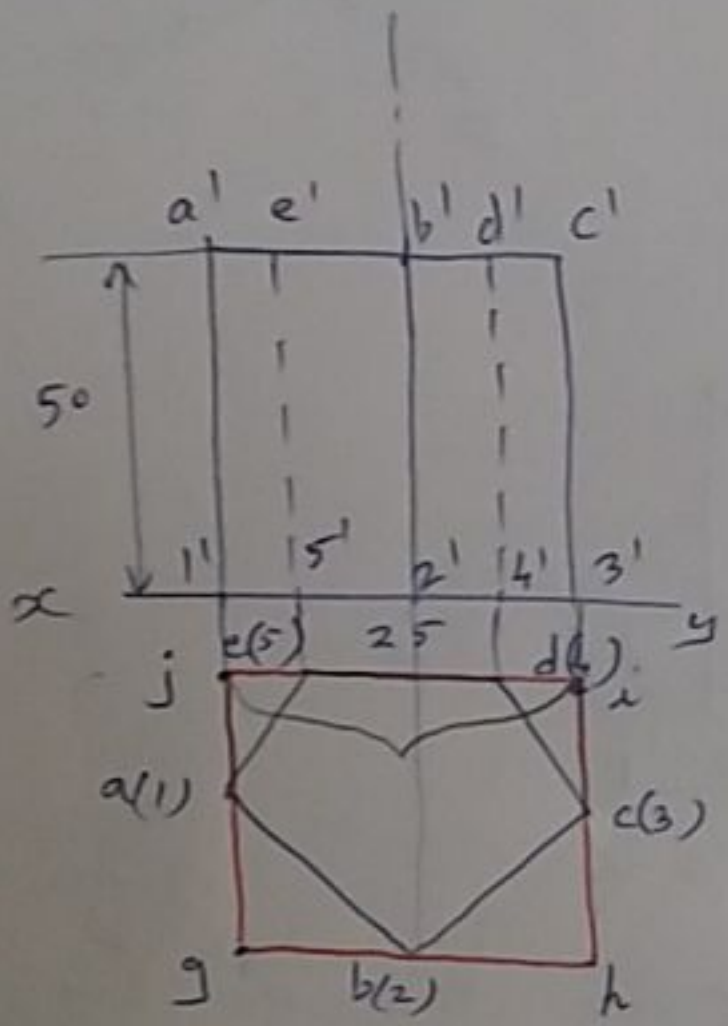
Isometric View



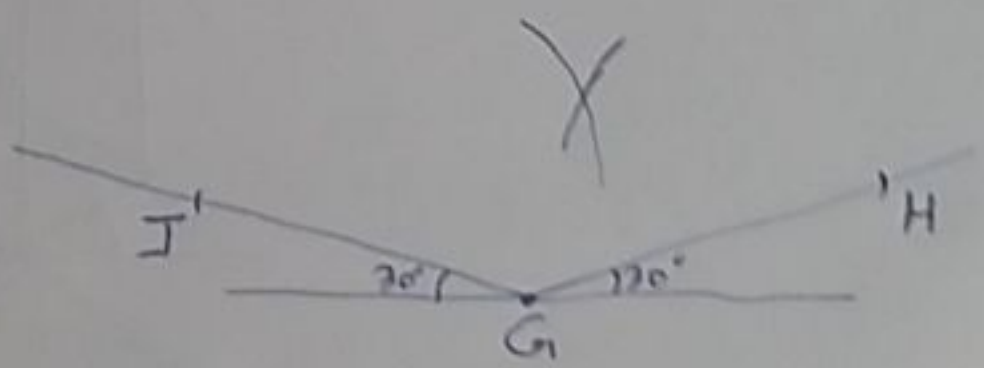
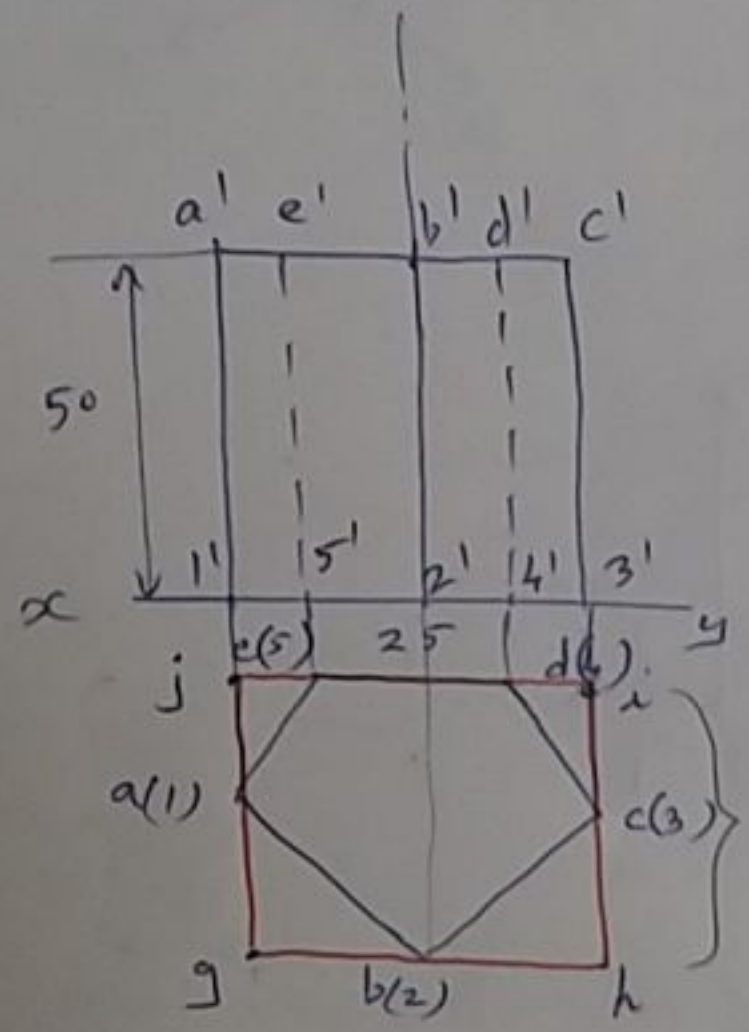
Isometric View



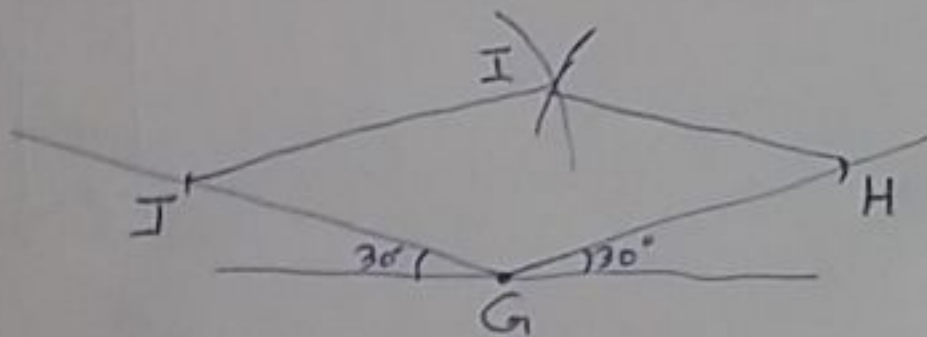
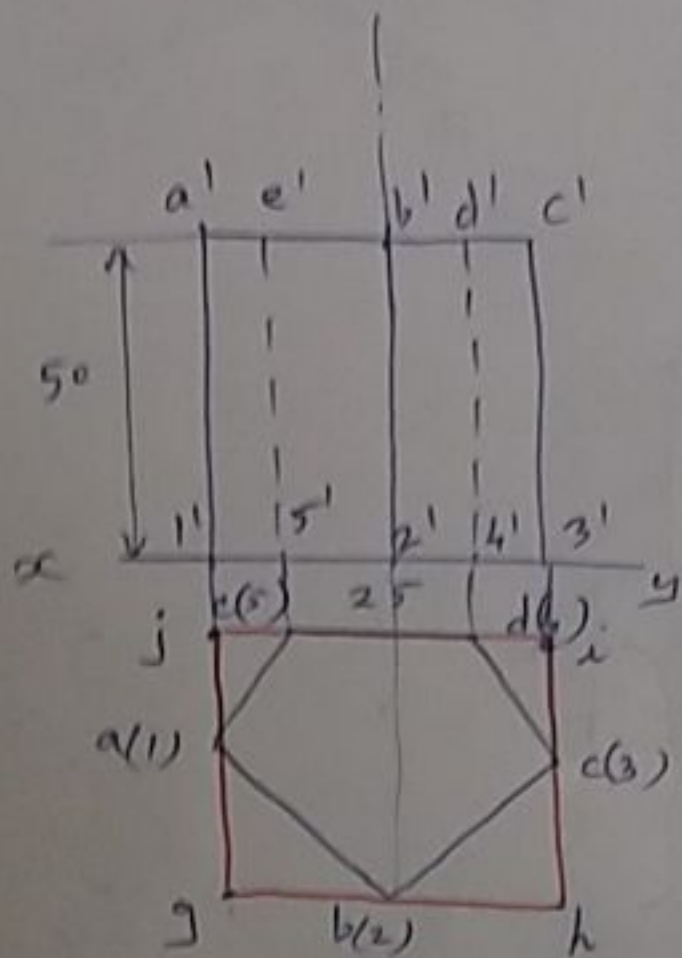
Isometric View



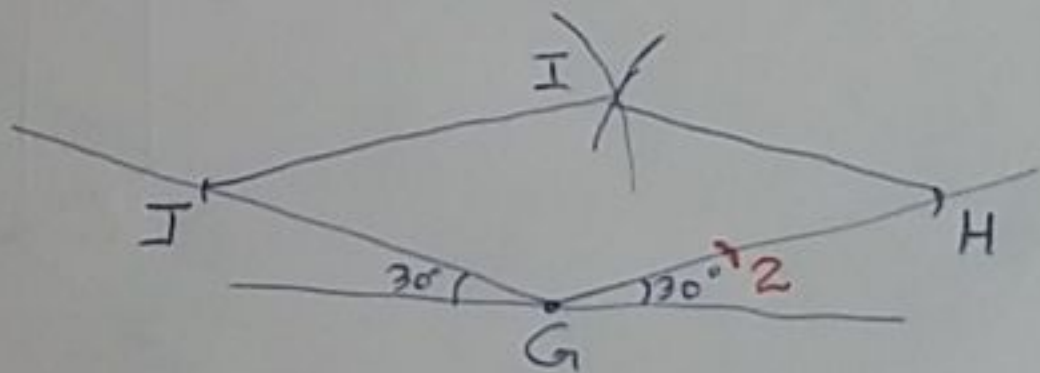
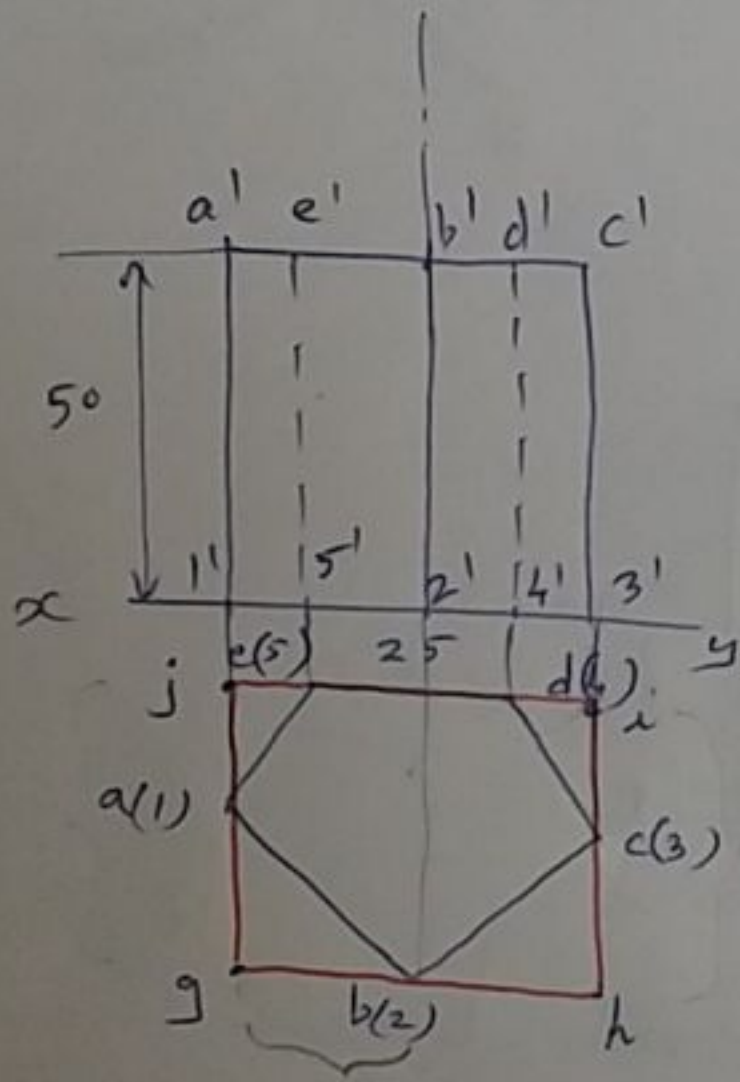
Isometric View



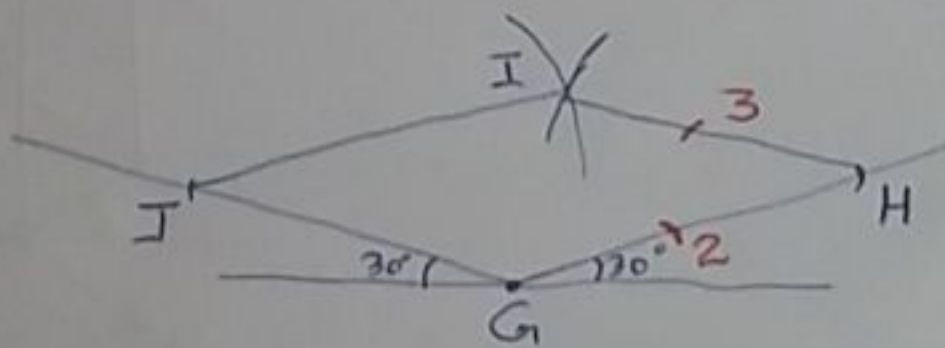
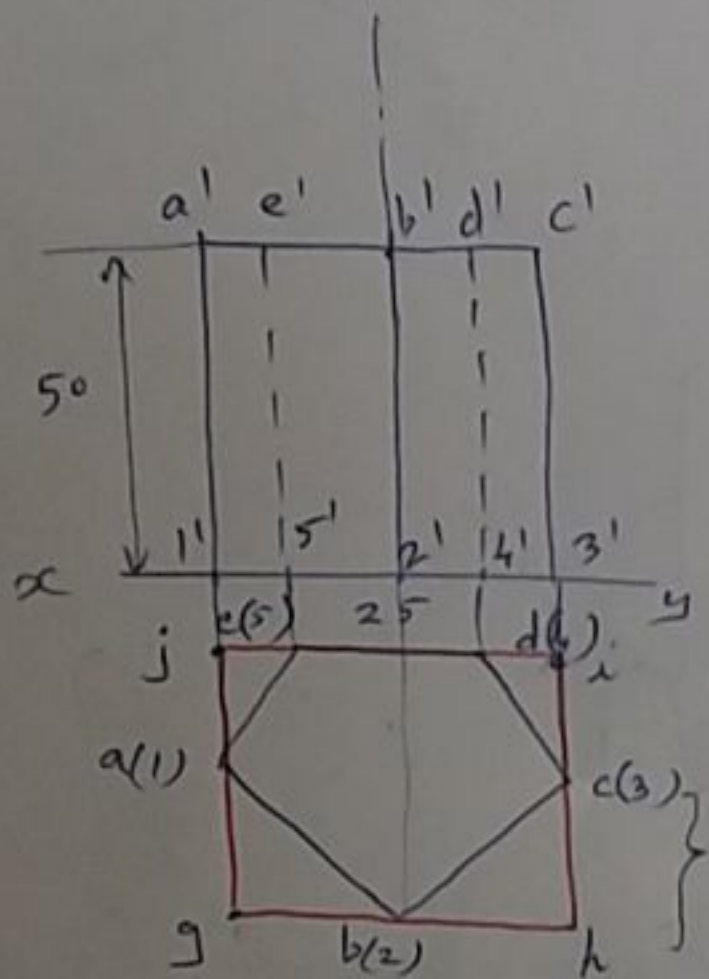
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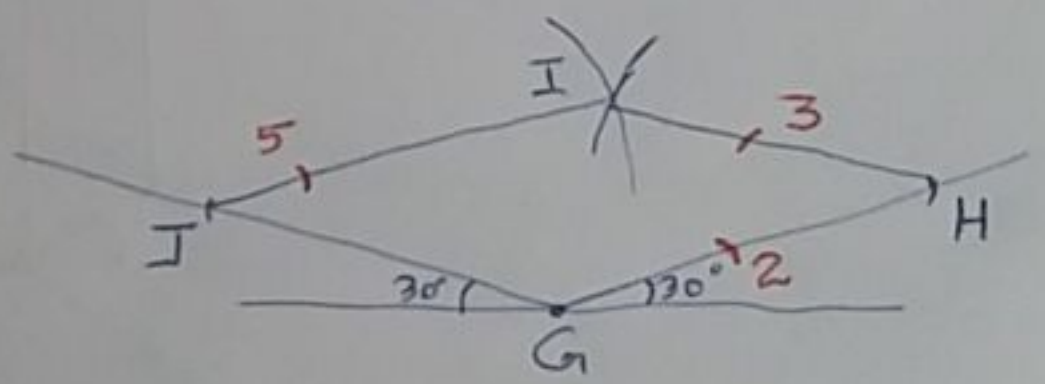
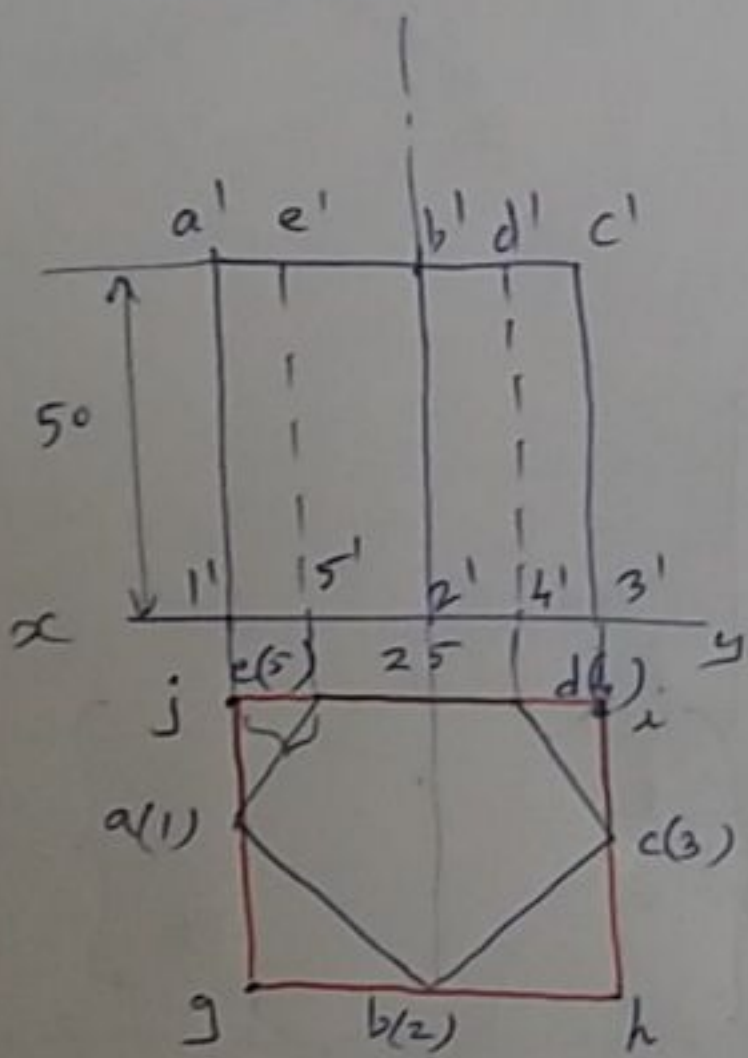
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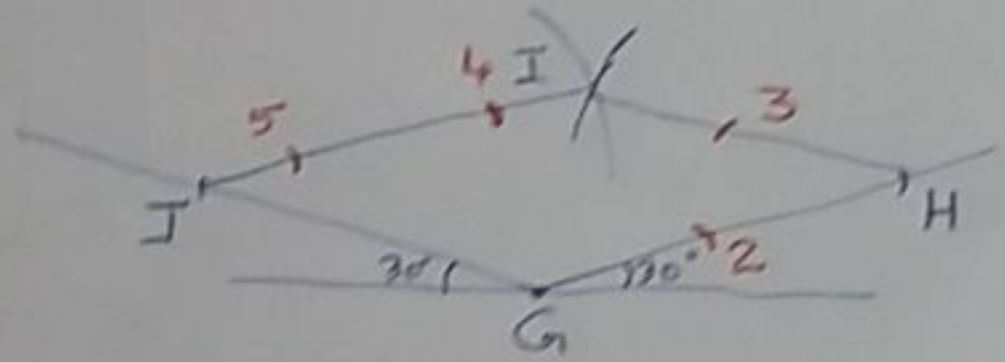
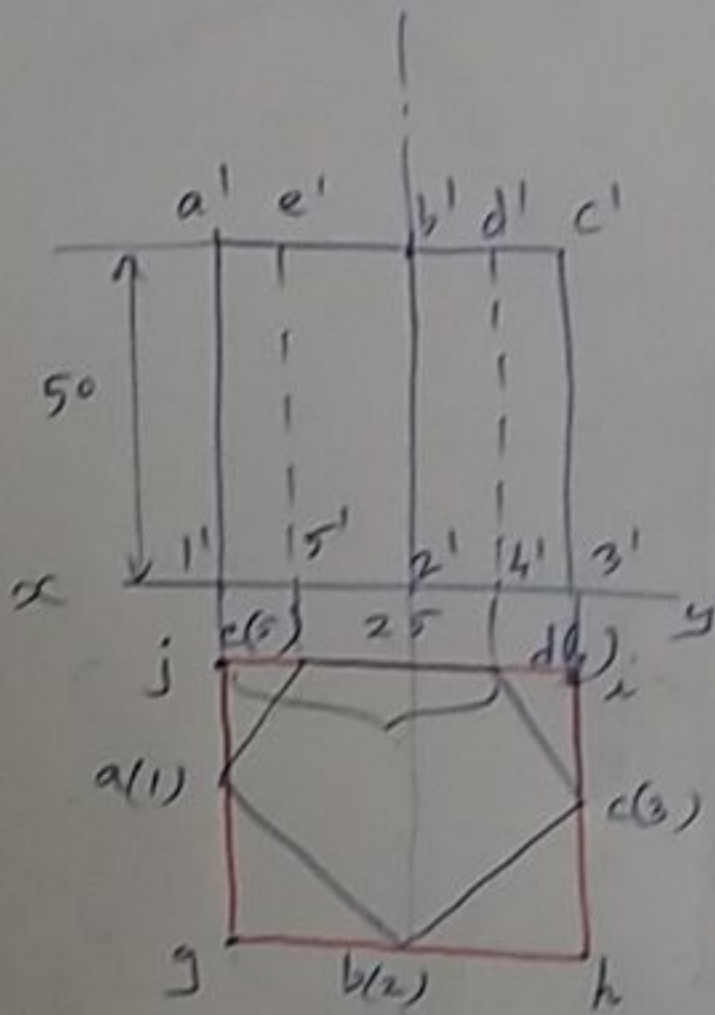
Isometric View



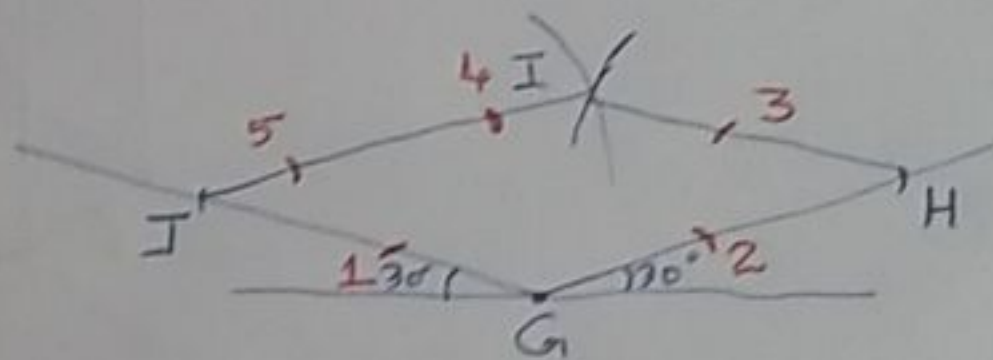
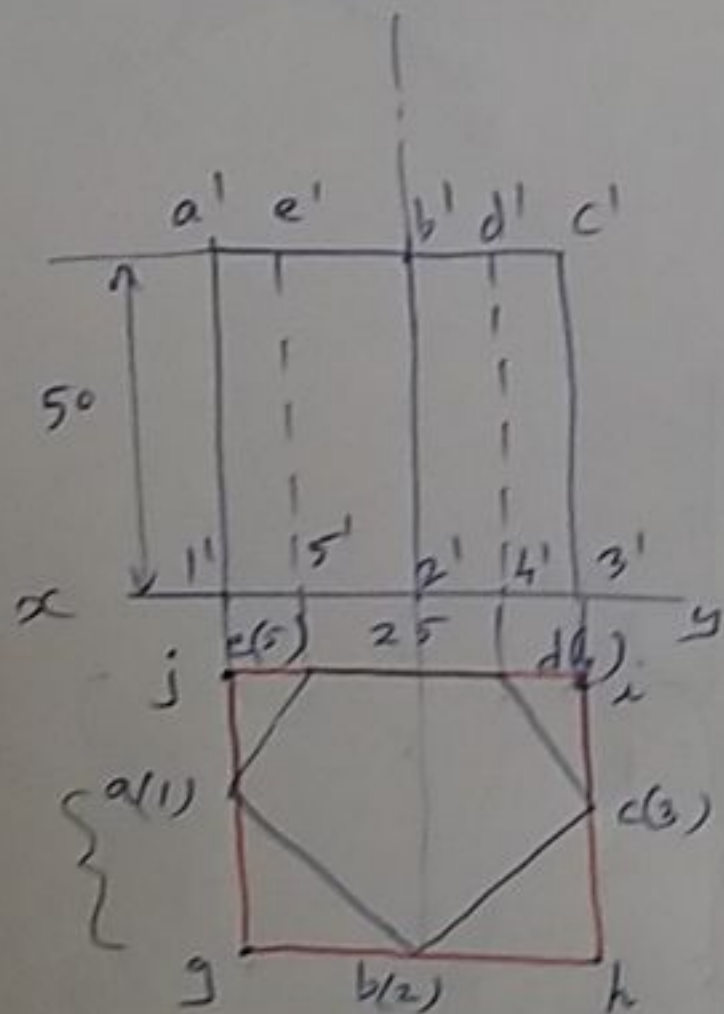
Isometric View



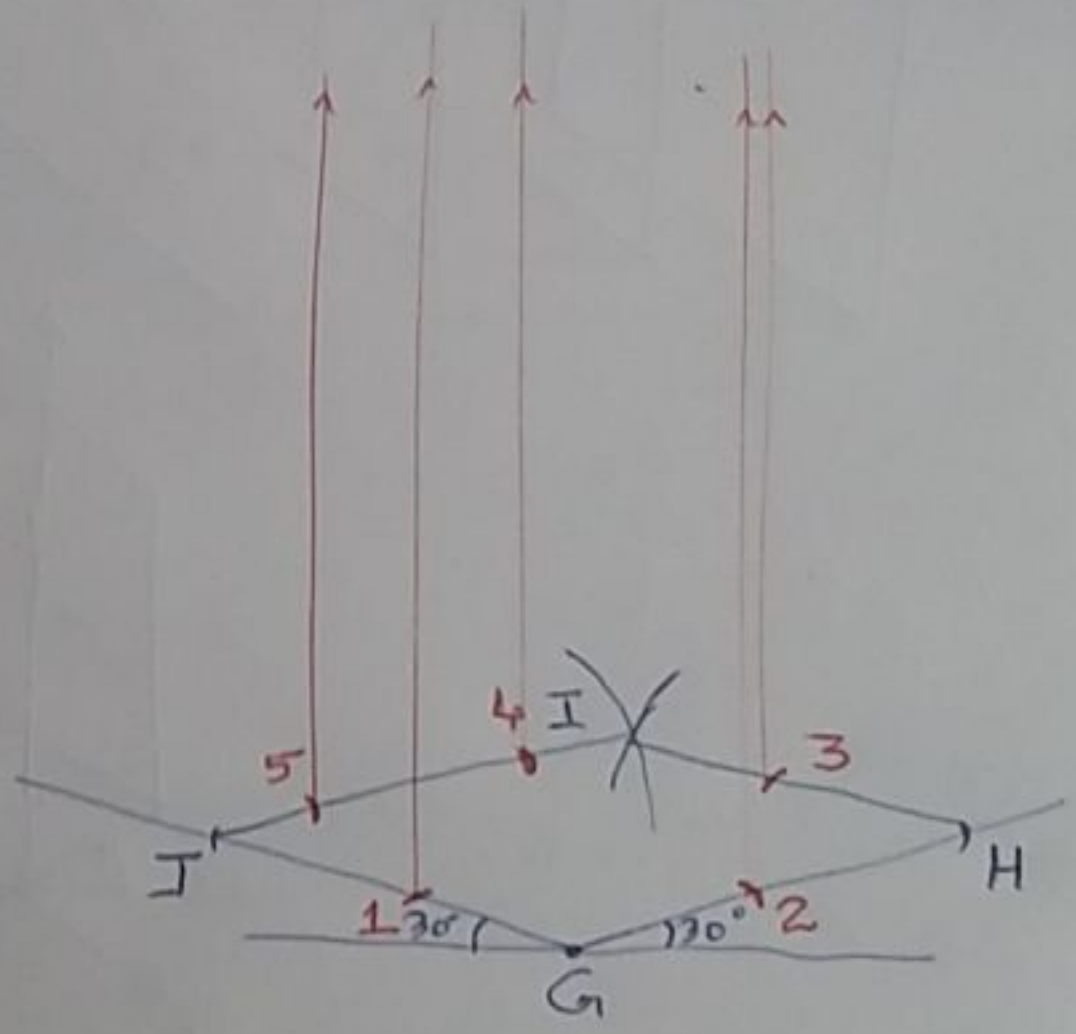
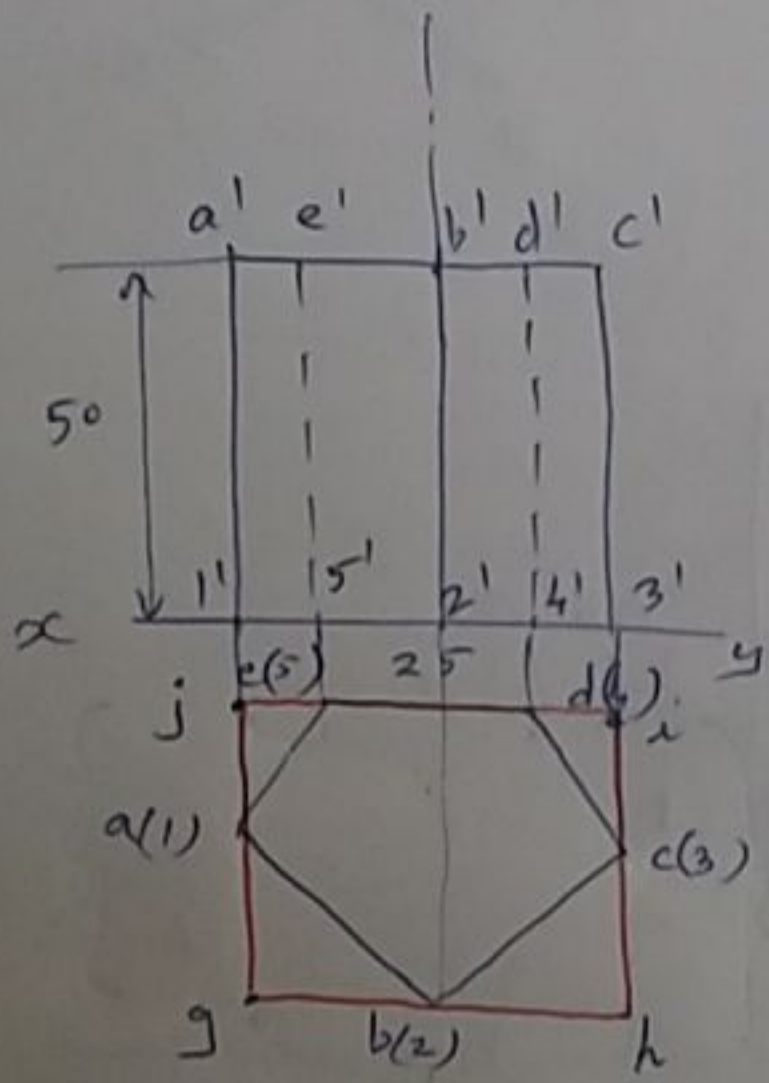
Isometric View



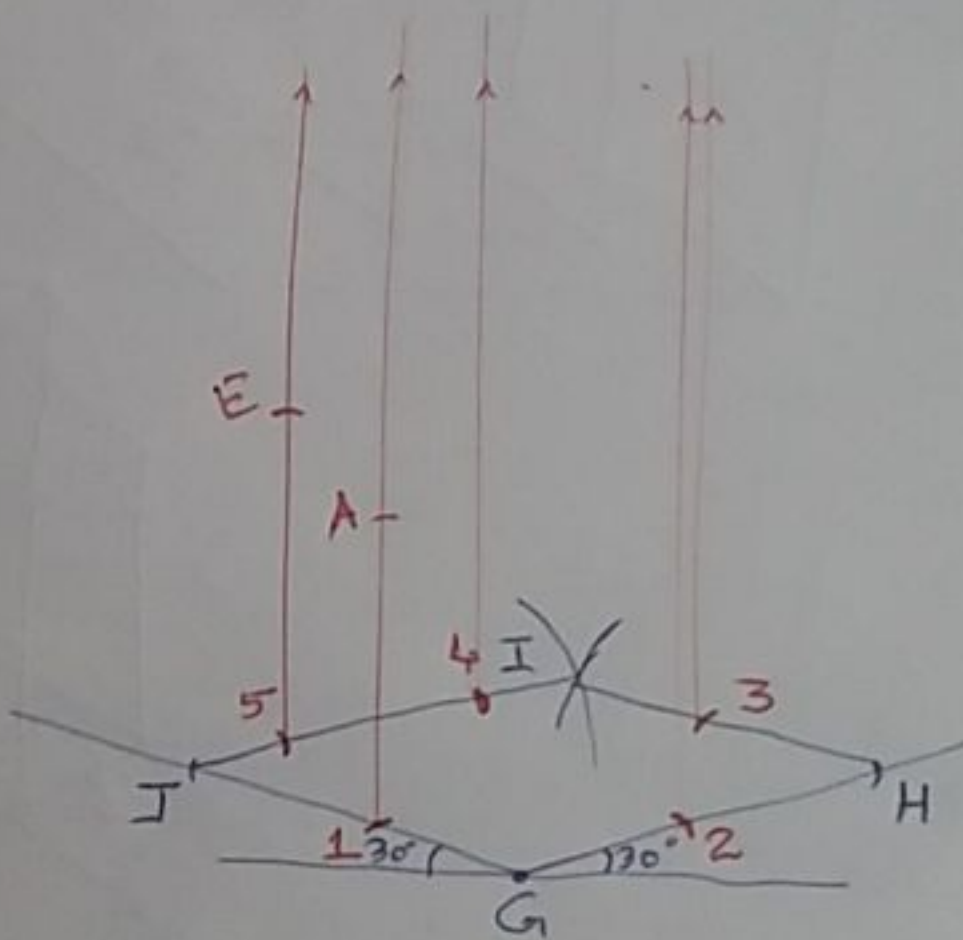
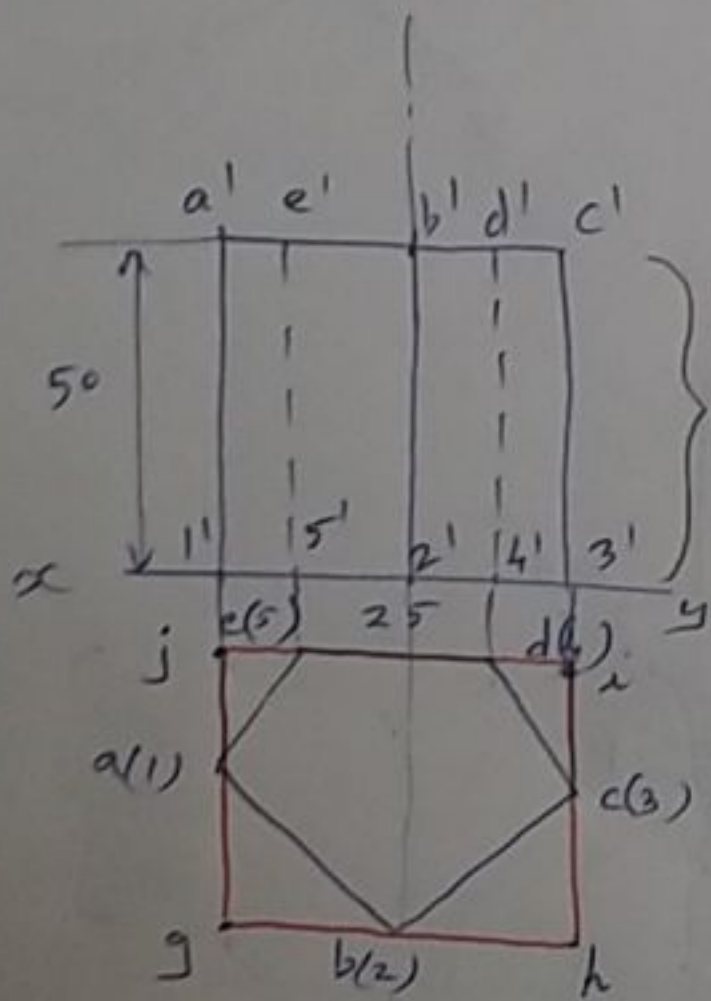
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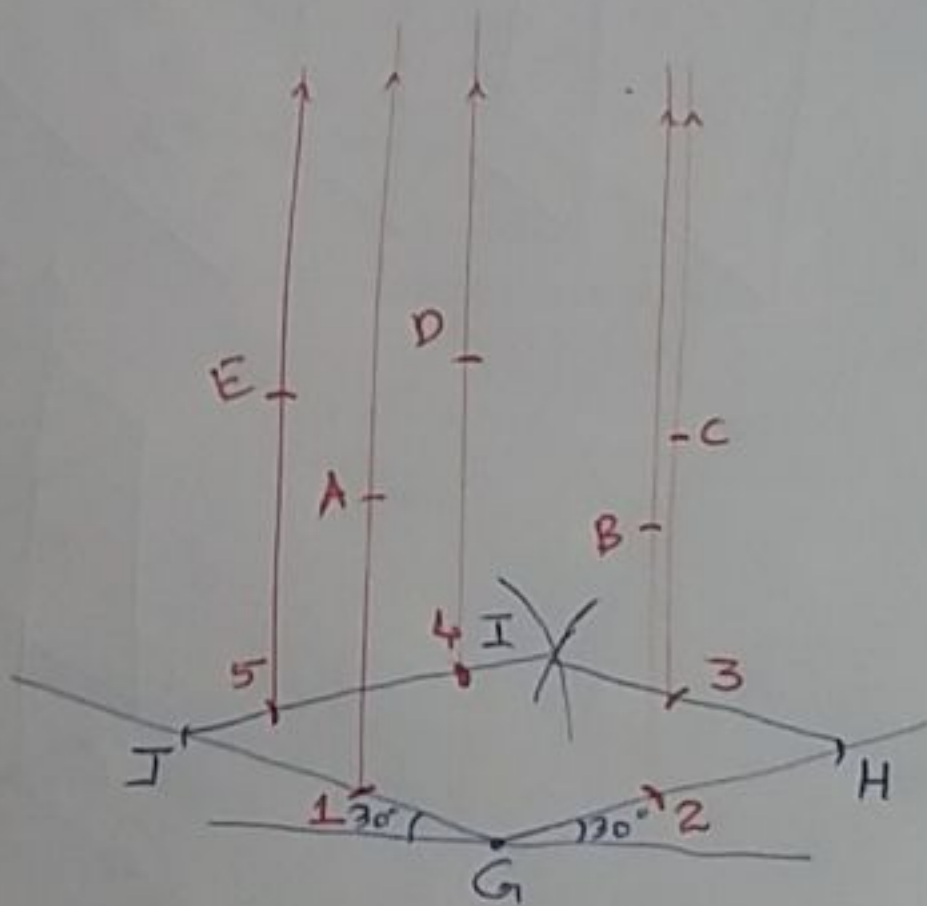
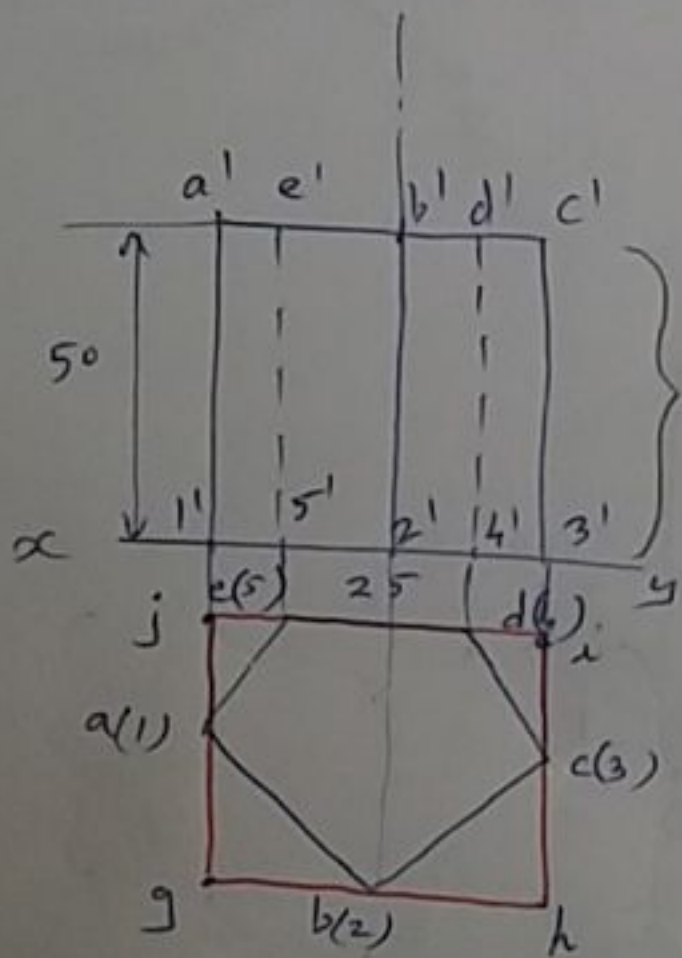
Isometric View



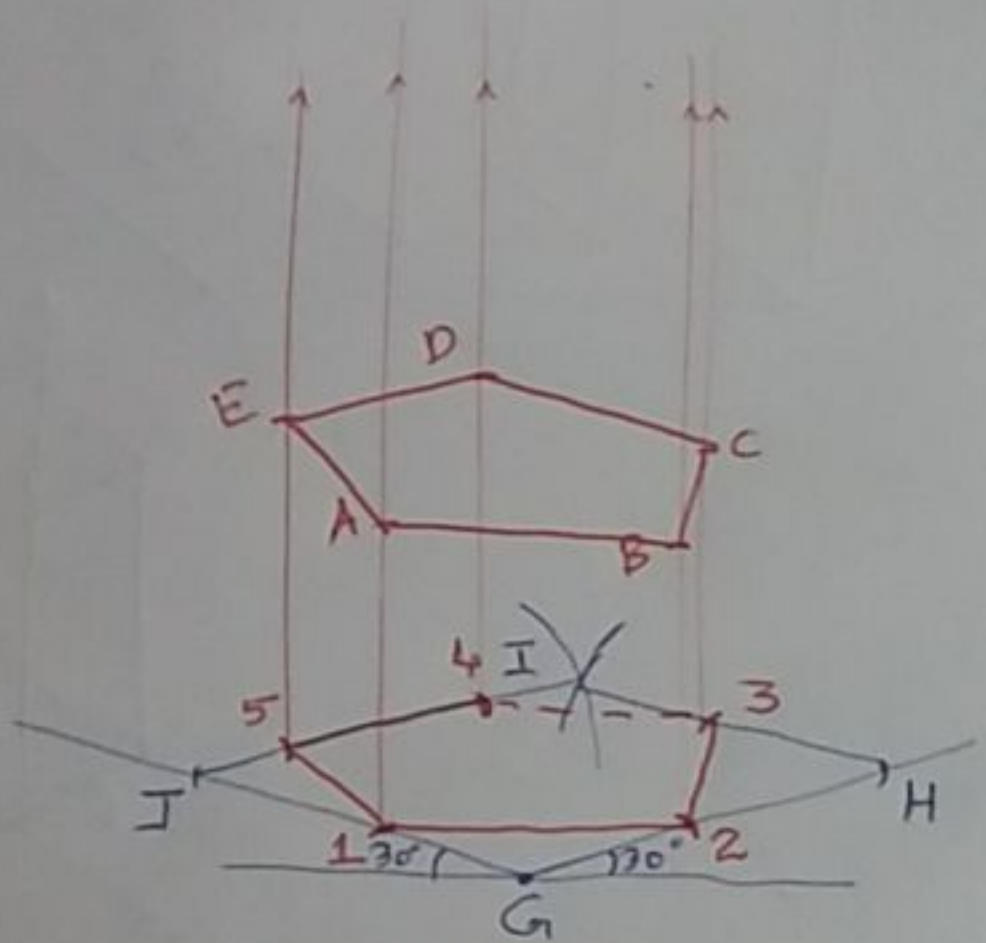
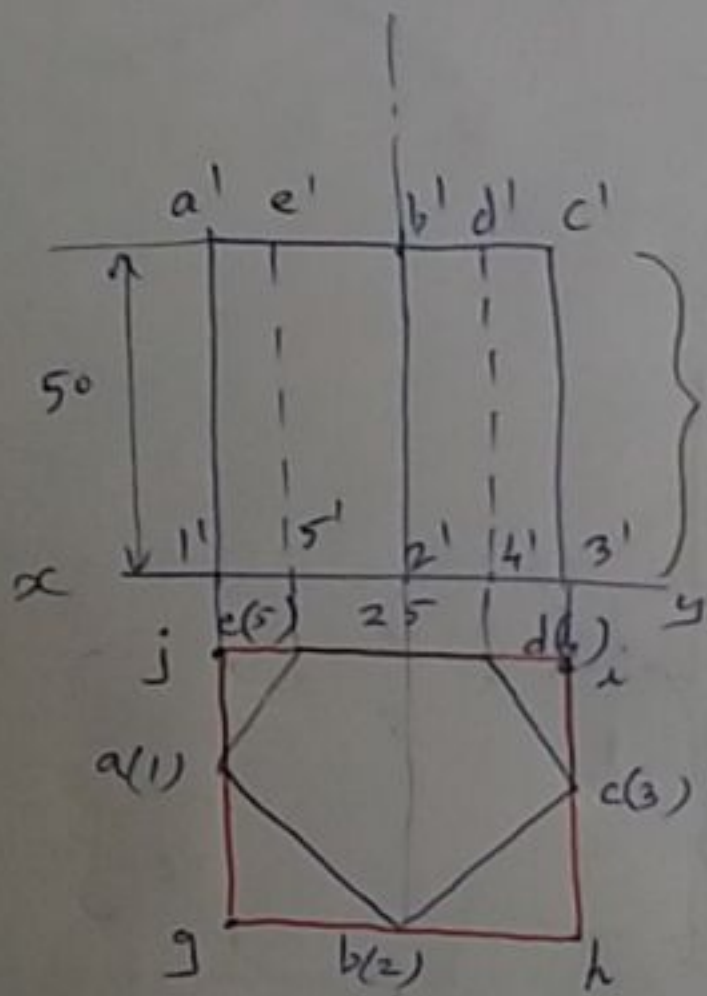
Isometric View



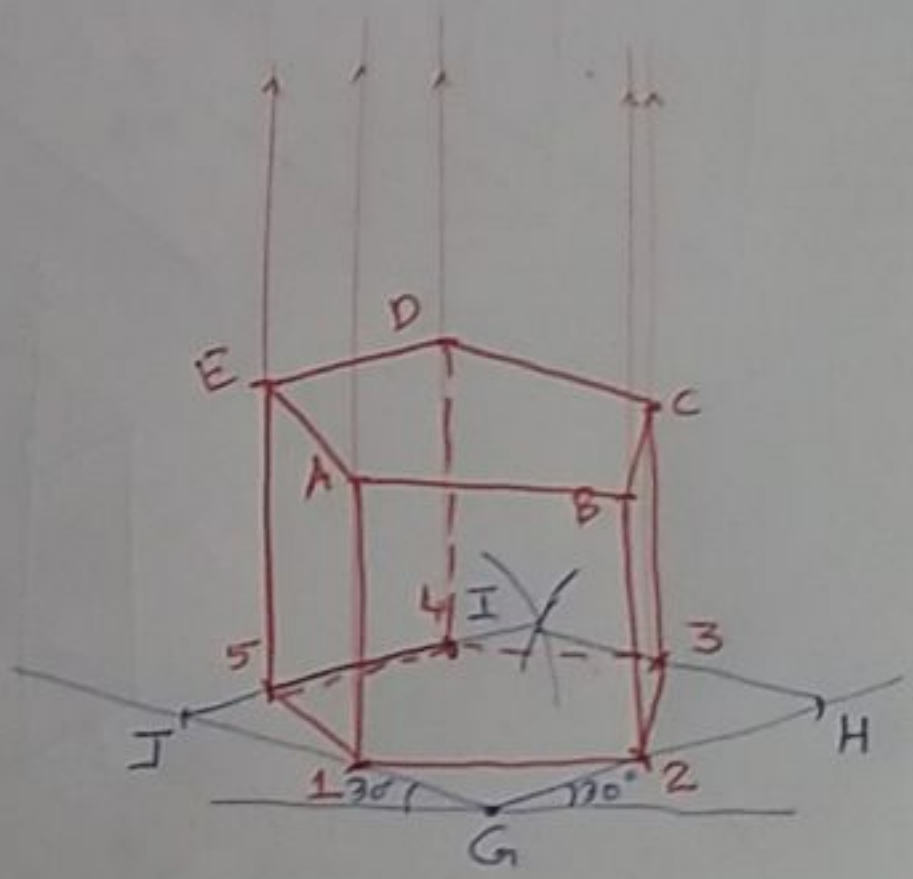
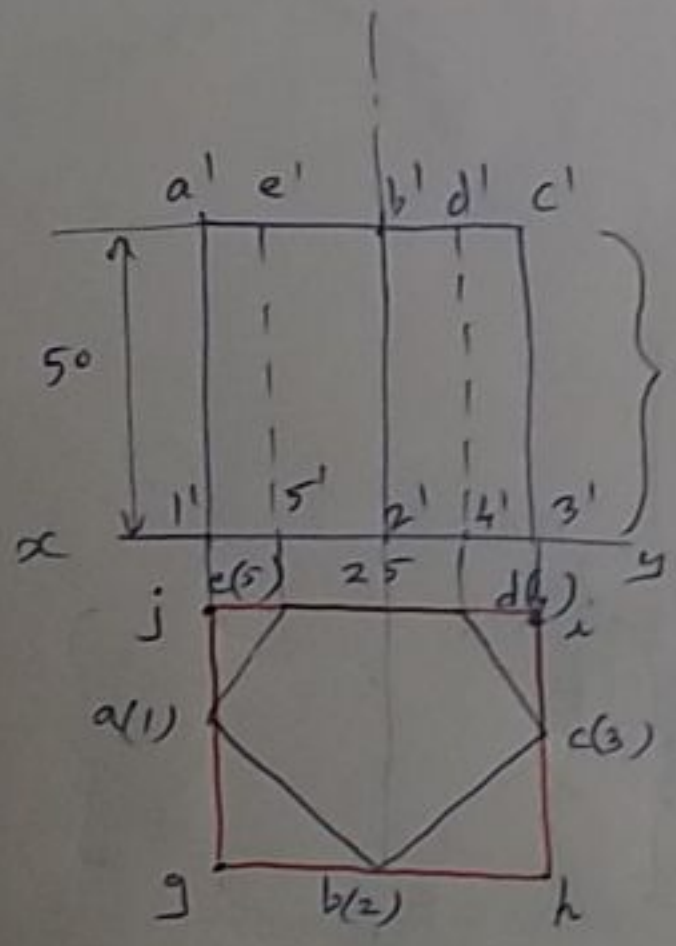
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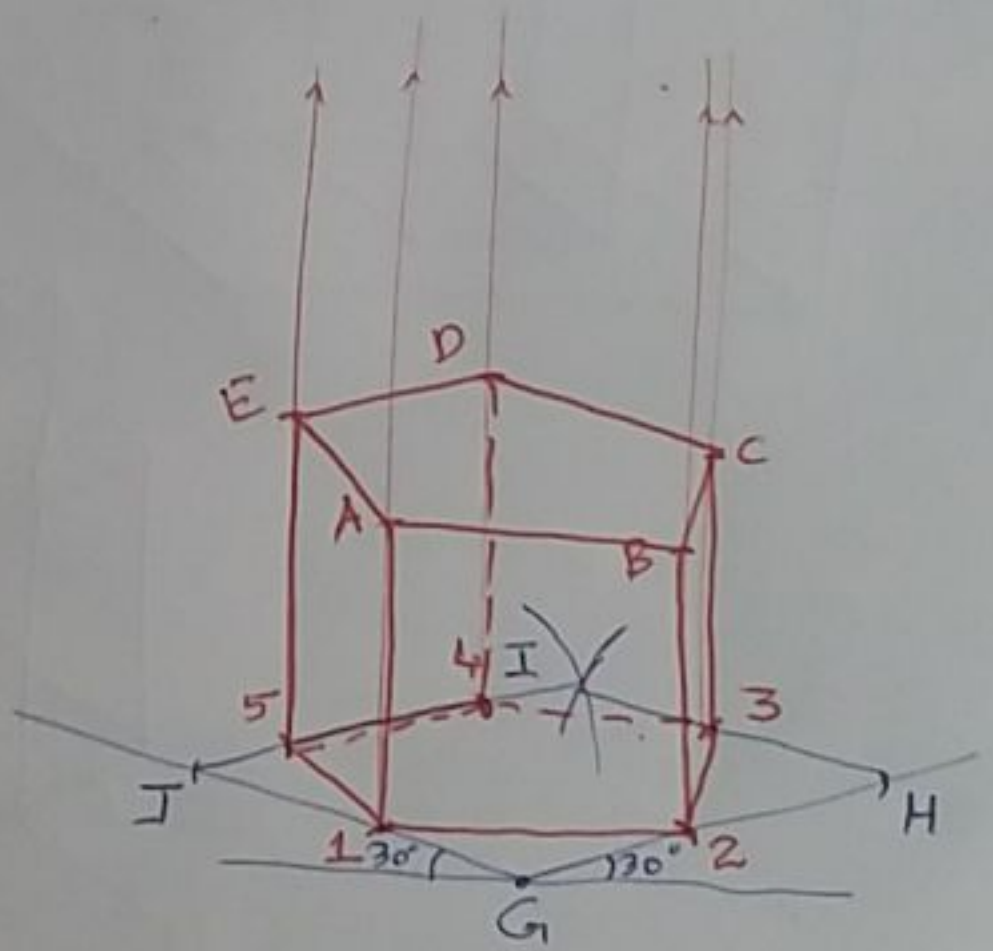
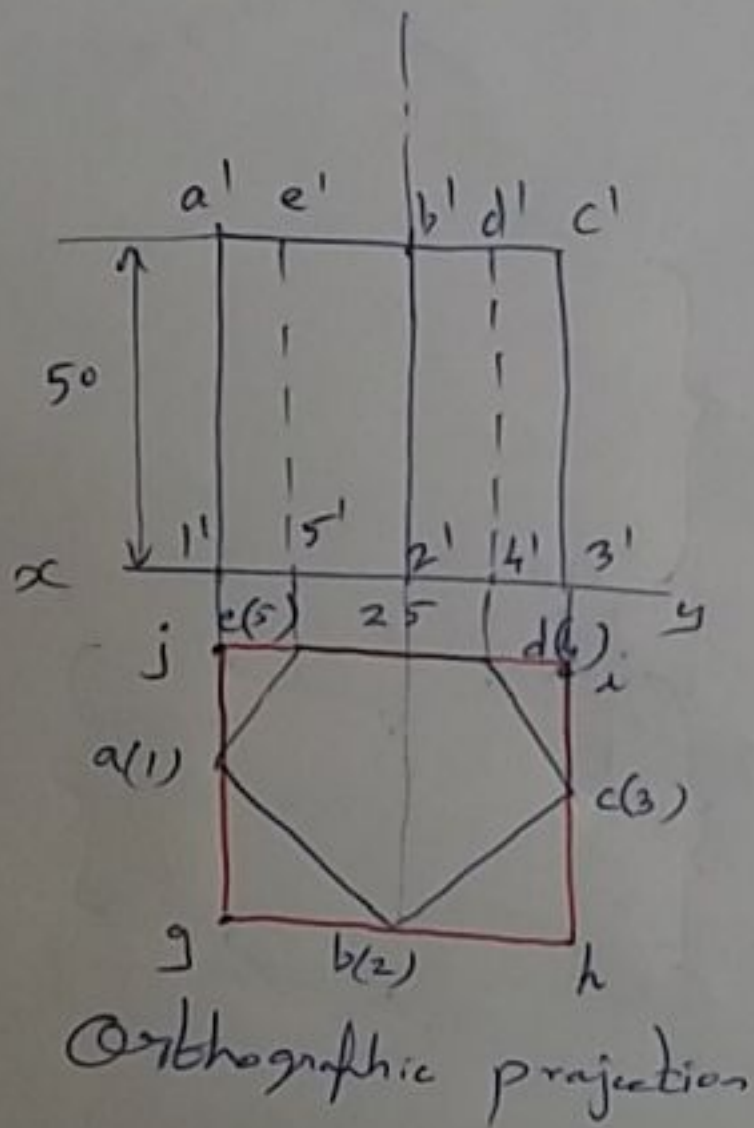
Isometric View



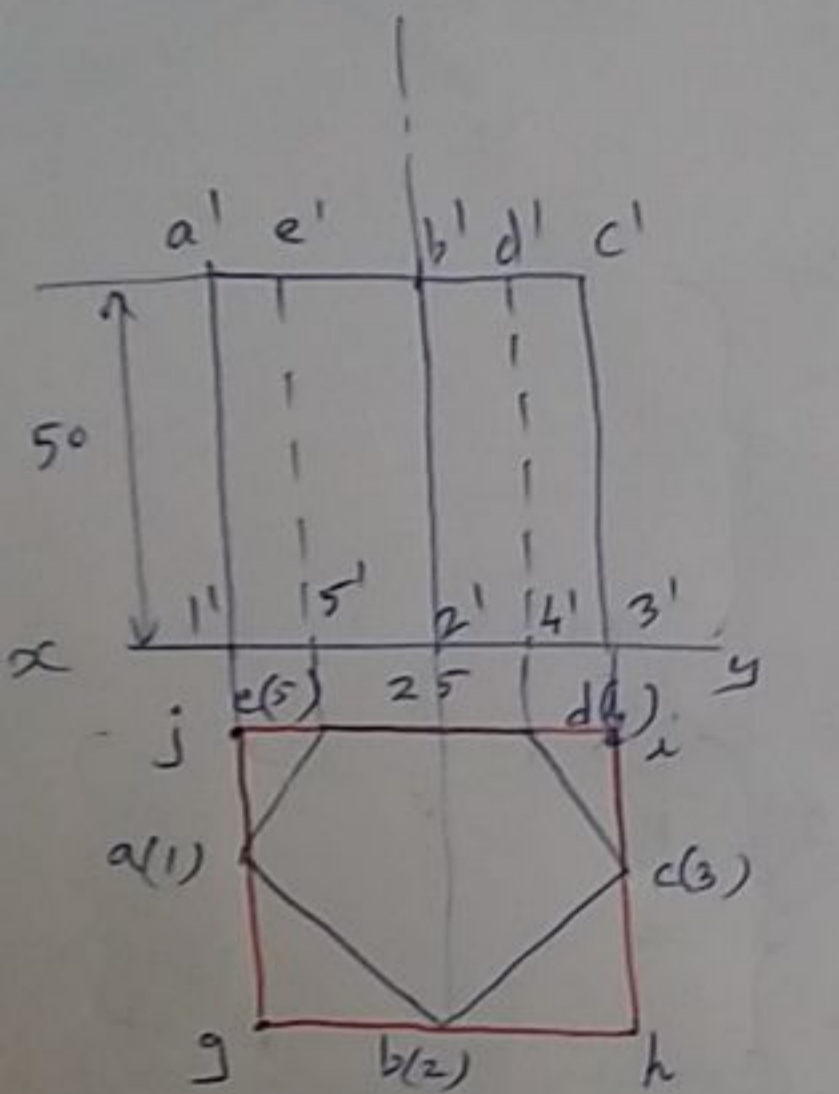
Isometric View



Isometric View

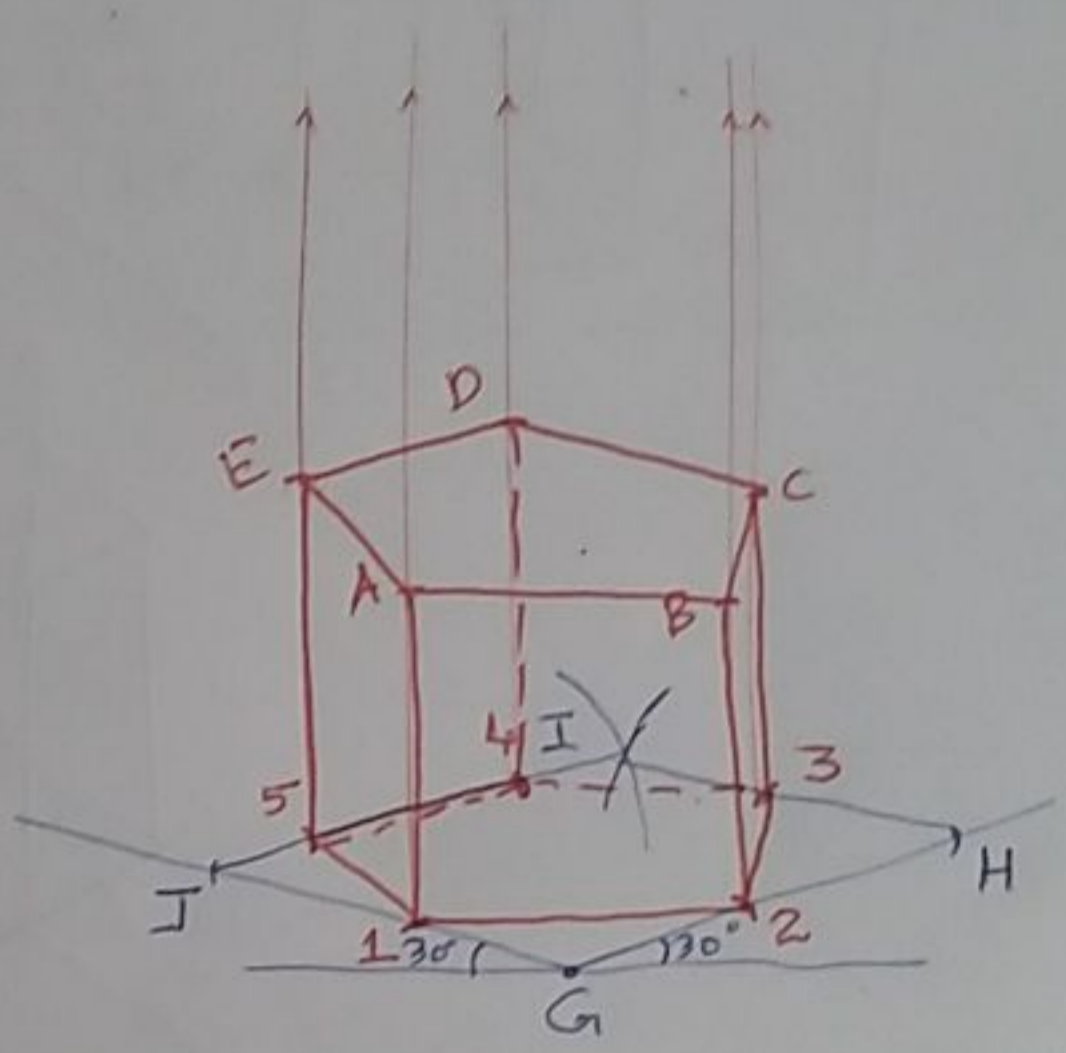


Isometric View



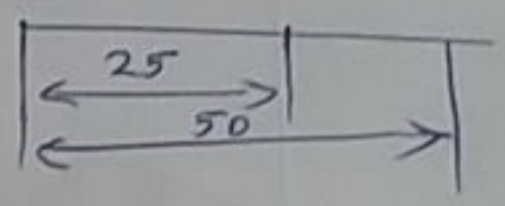
Orthographic projection

Isometric projection



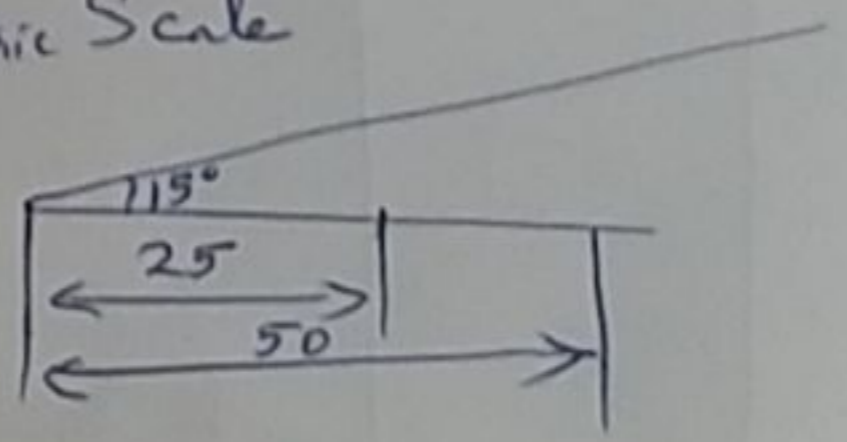
Isometric View

Isometric Scale

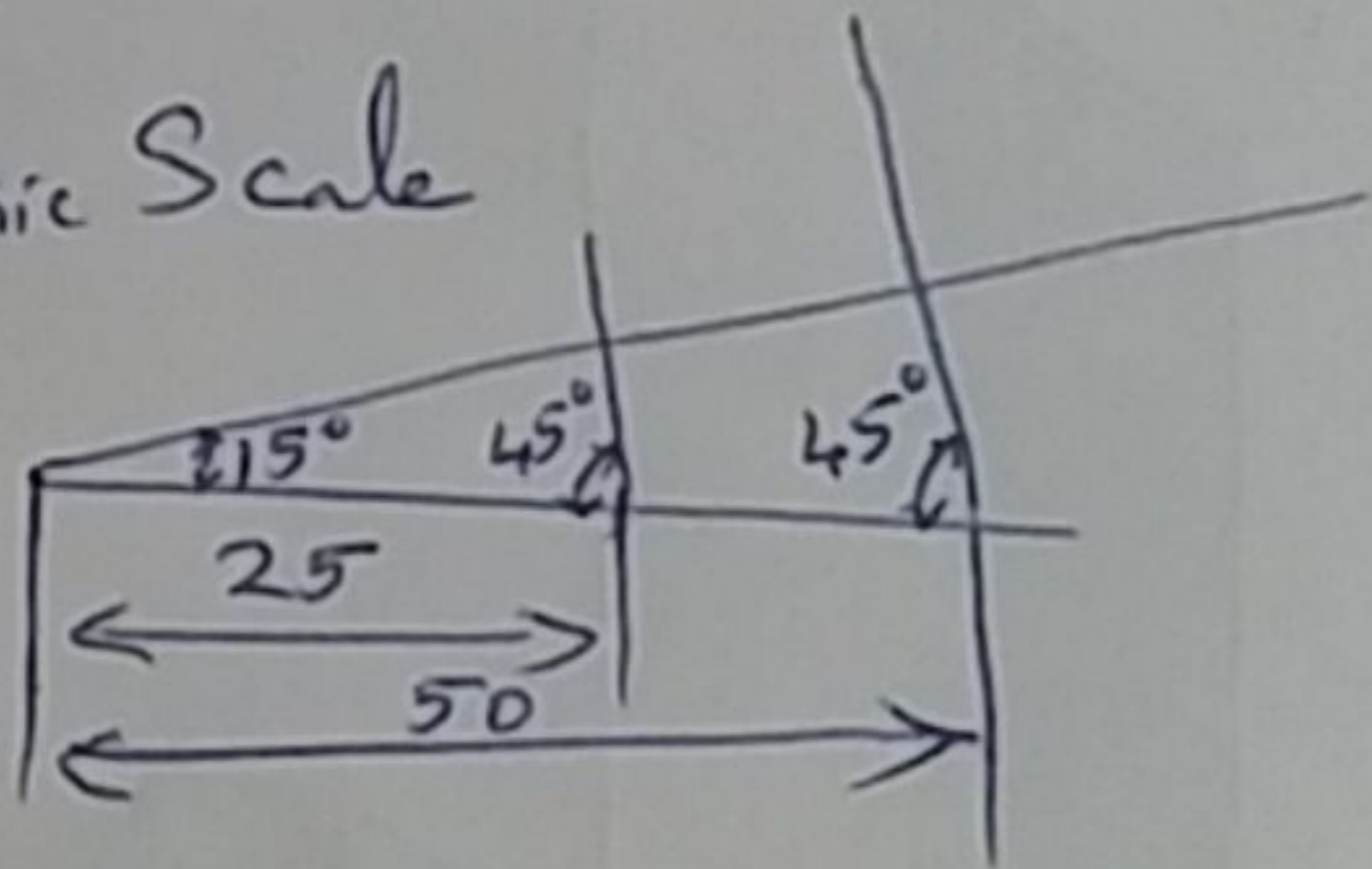


isometric projection

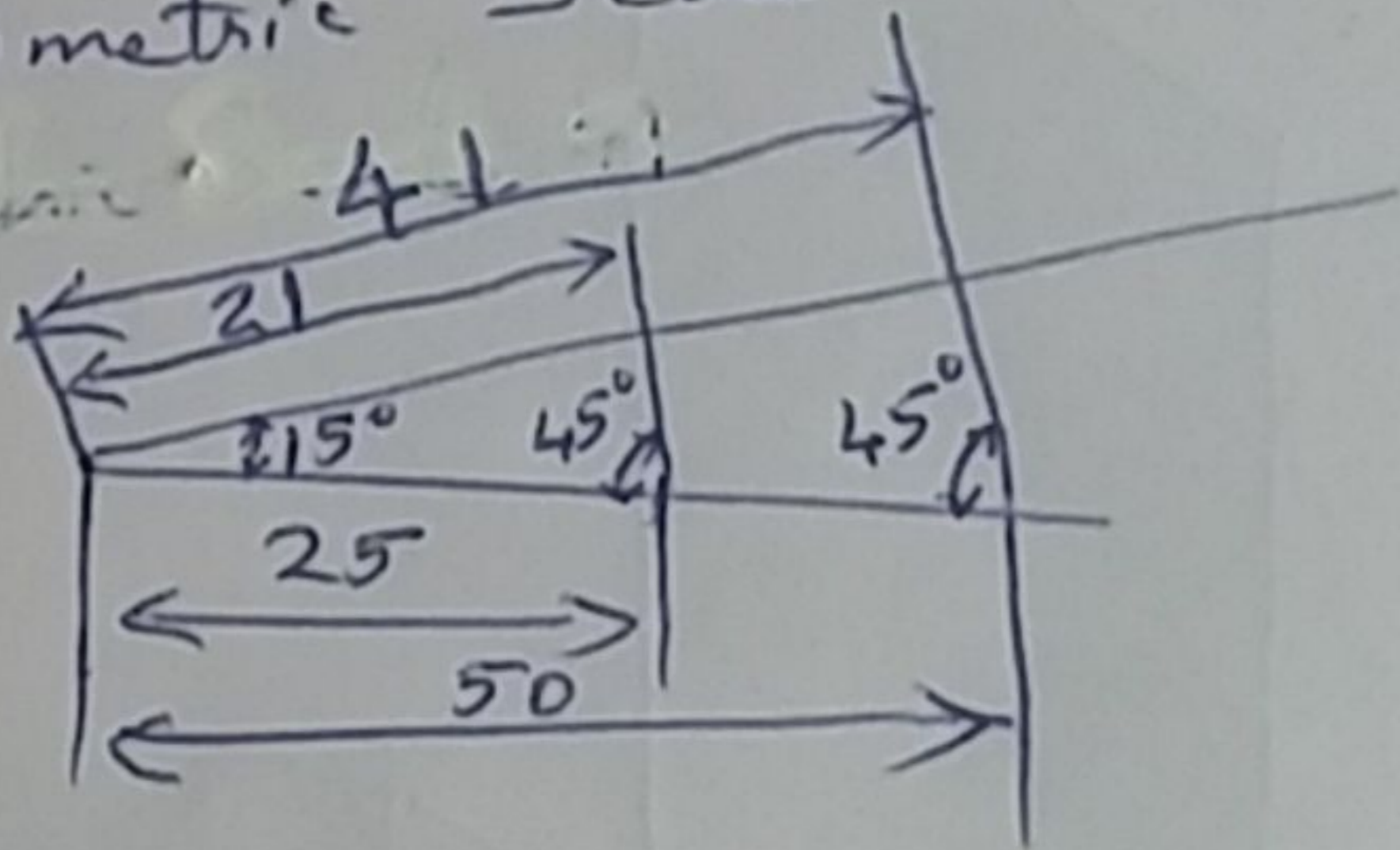
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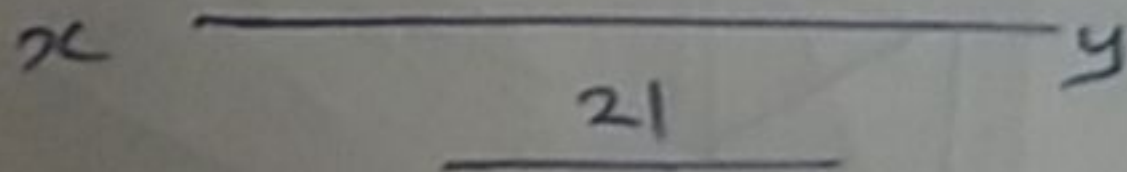
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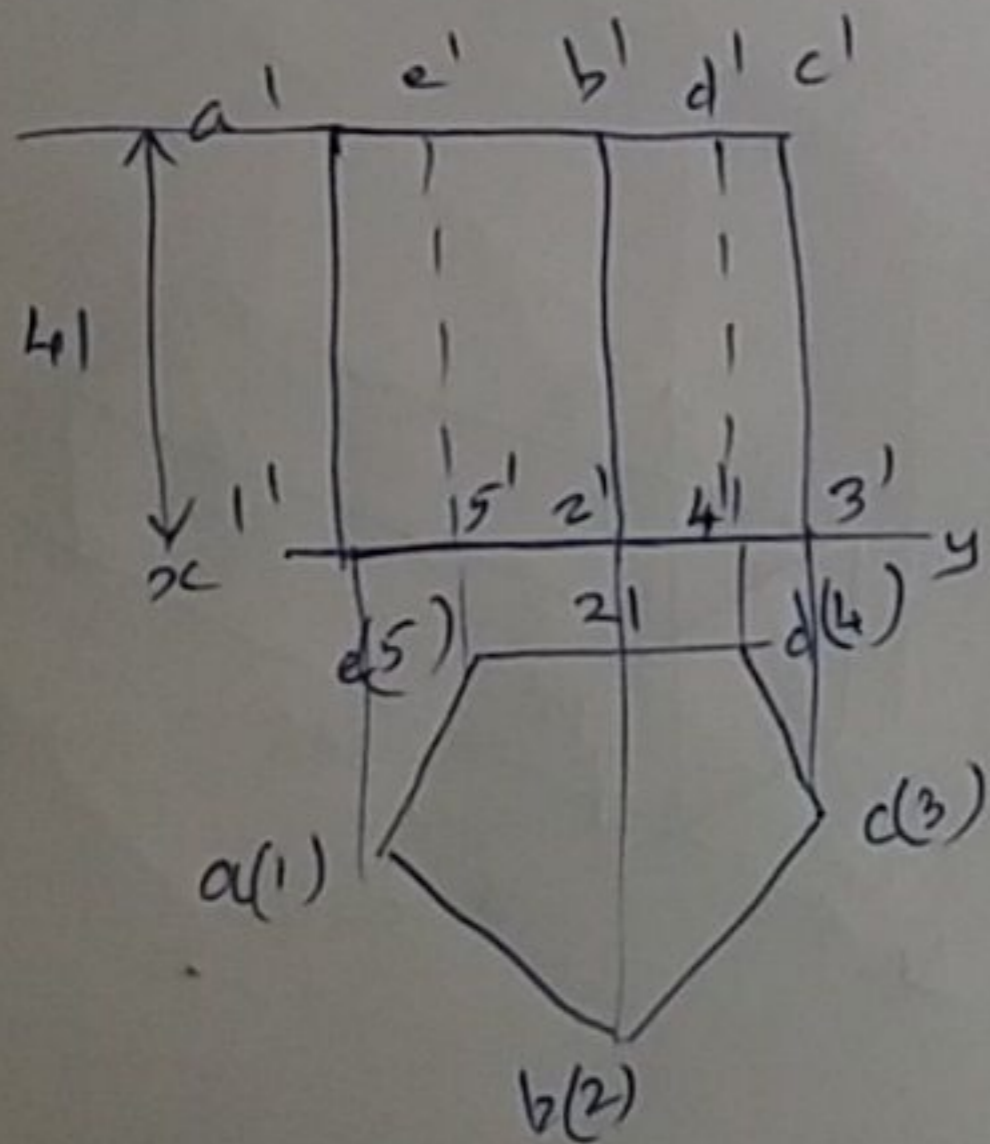
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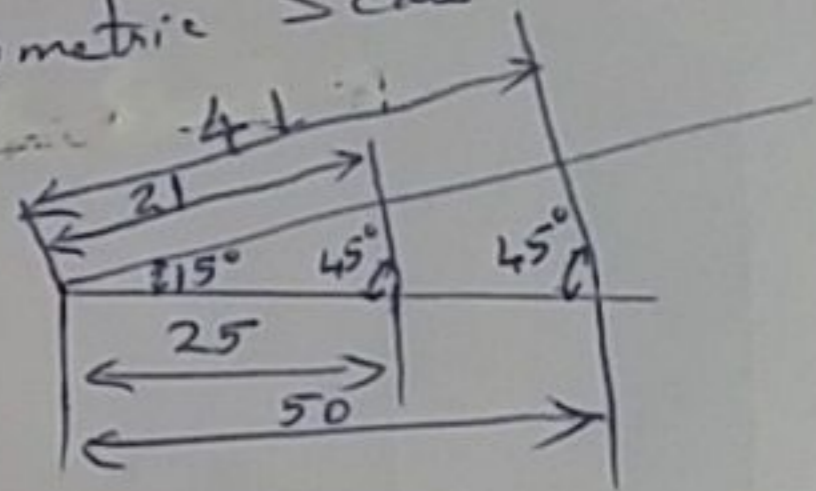
Isometric projection



Isometric projection

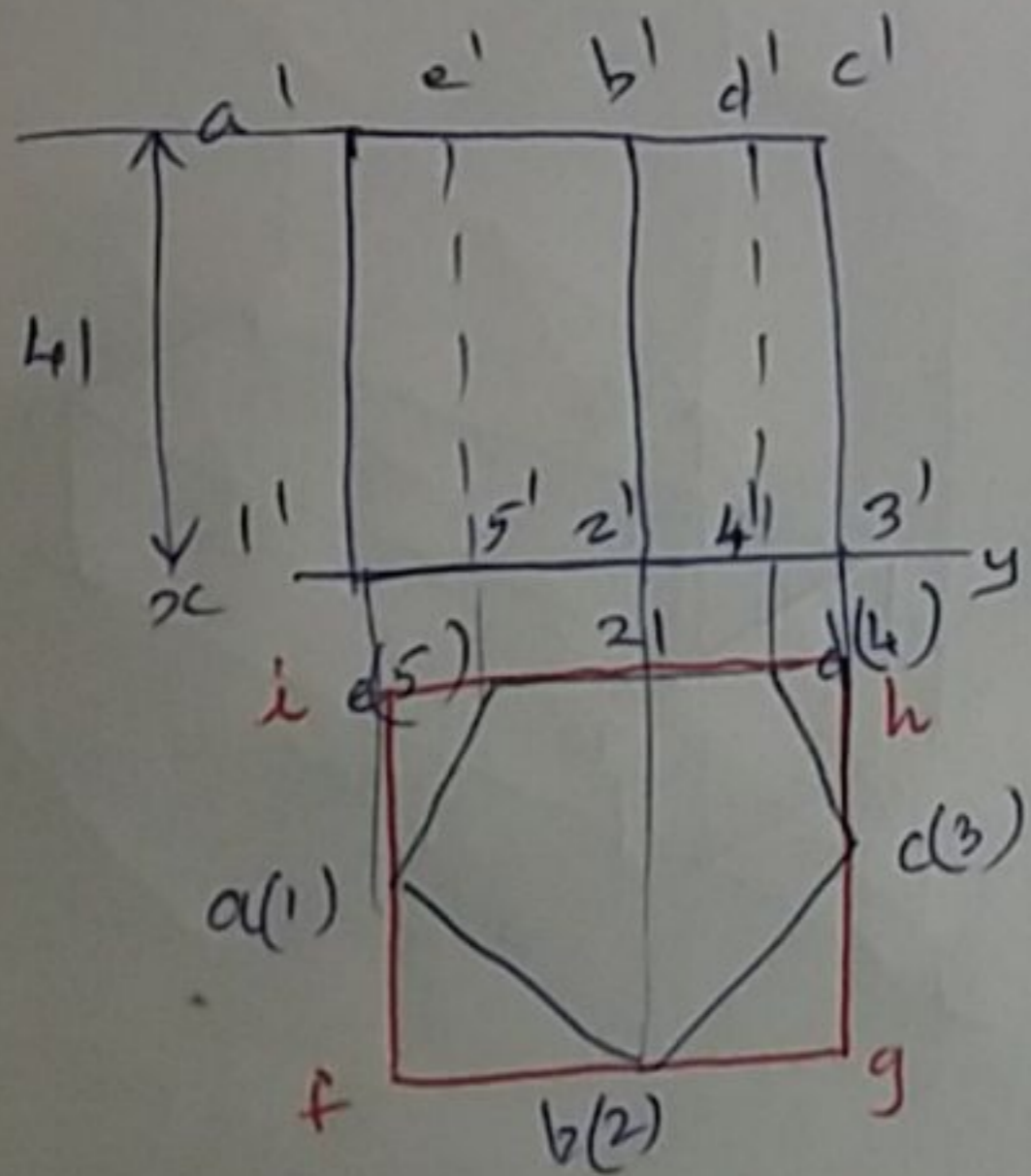
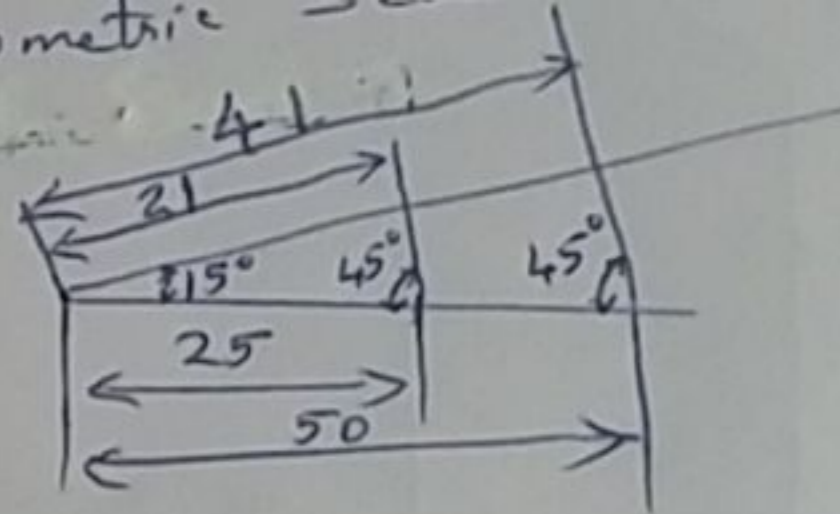


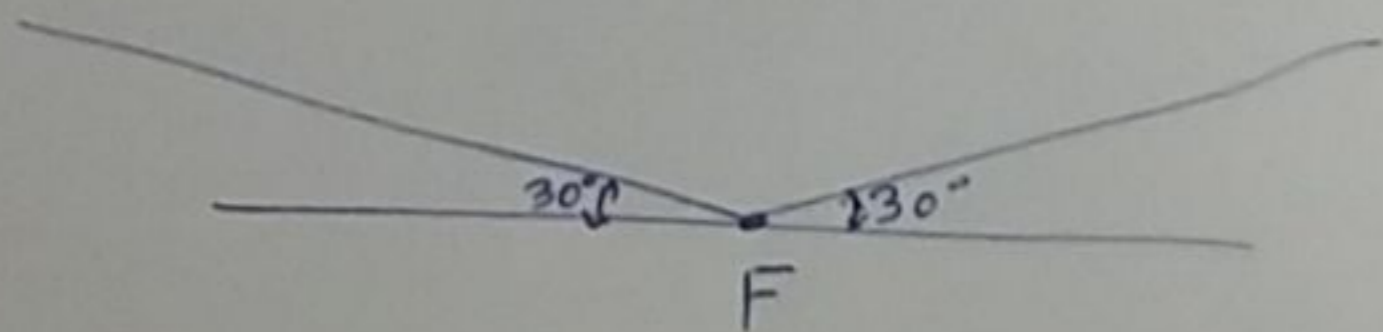
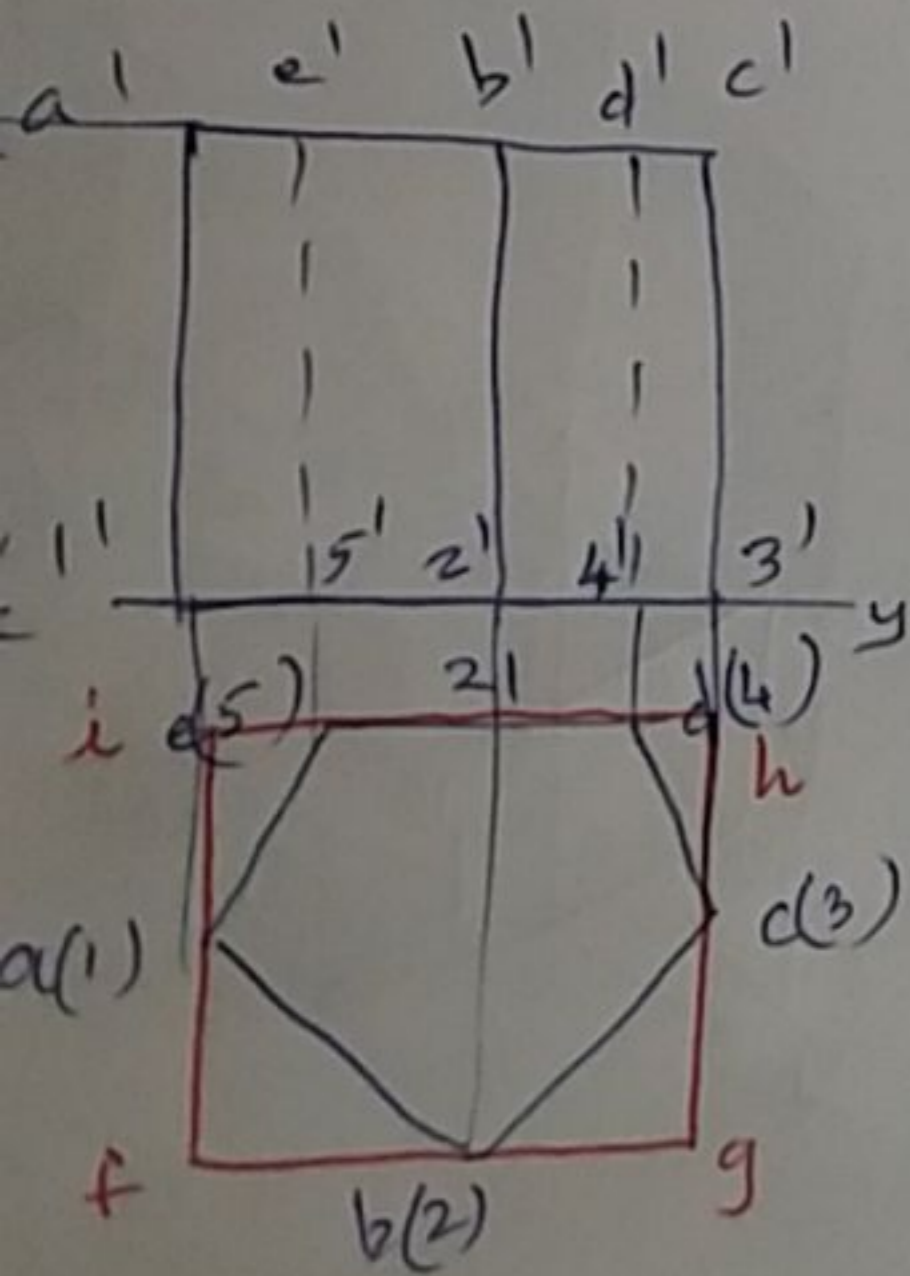
Isometric Scale

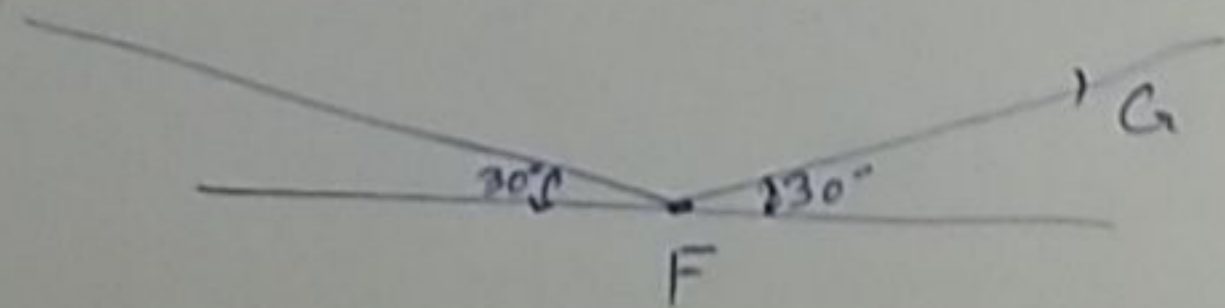
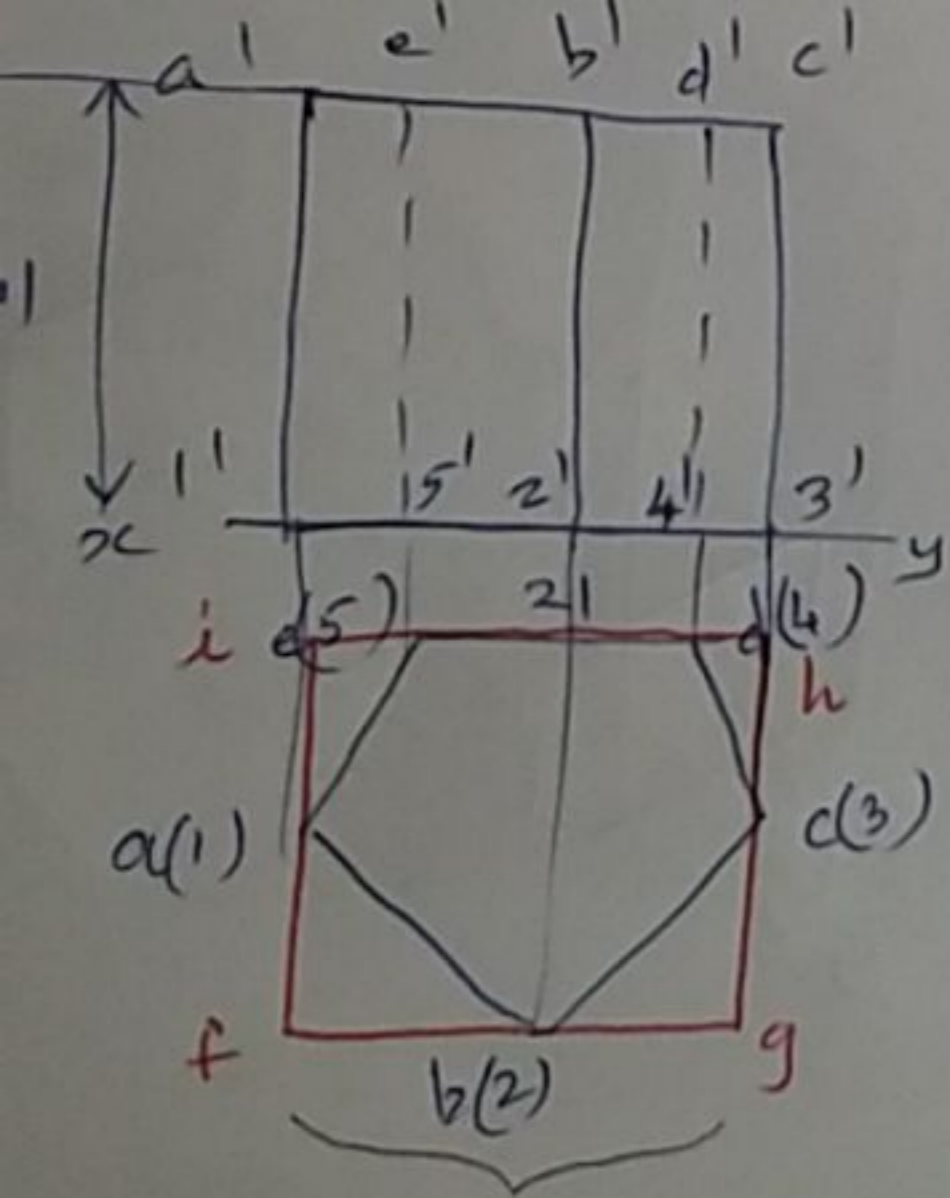


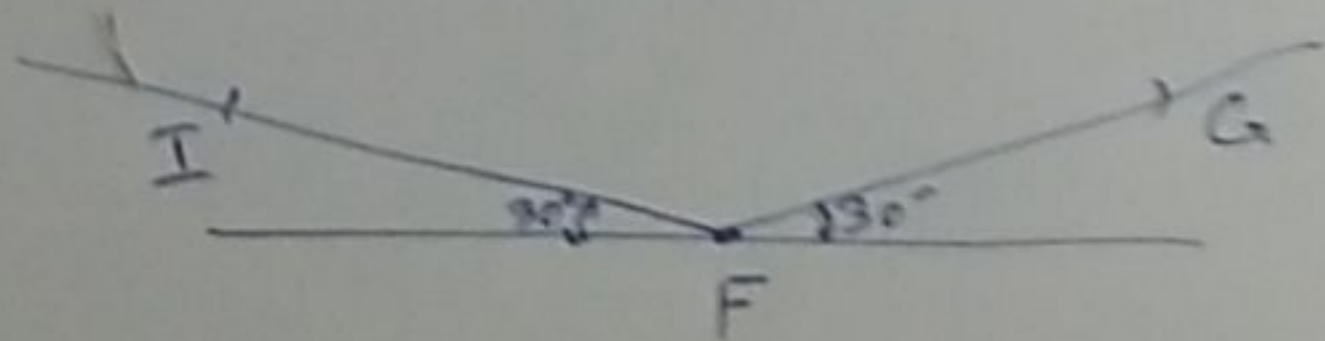
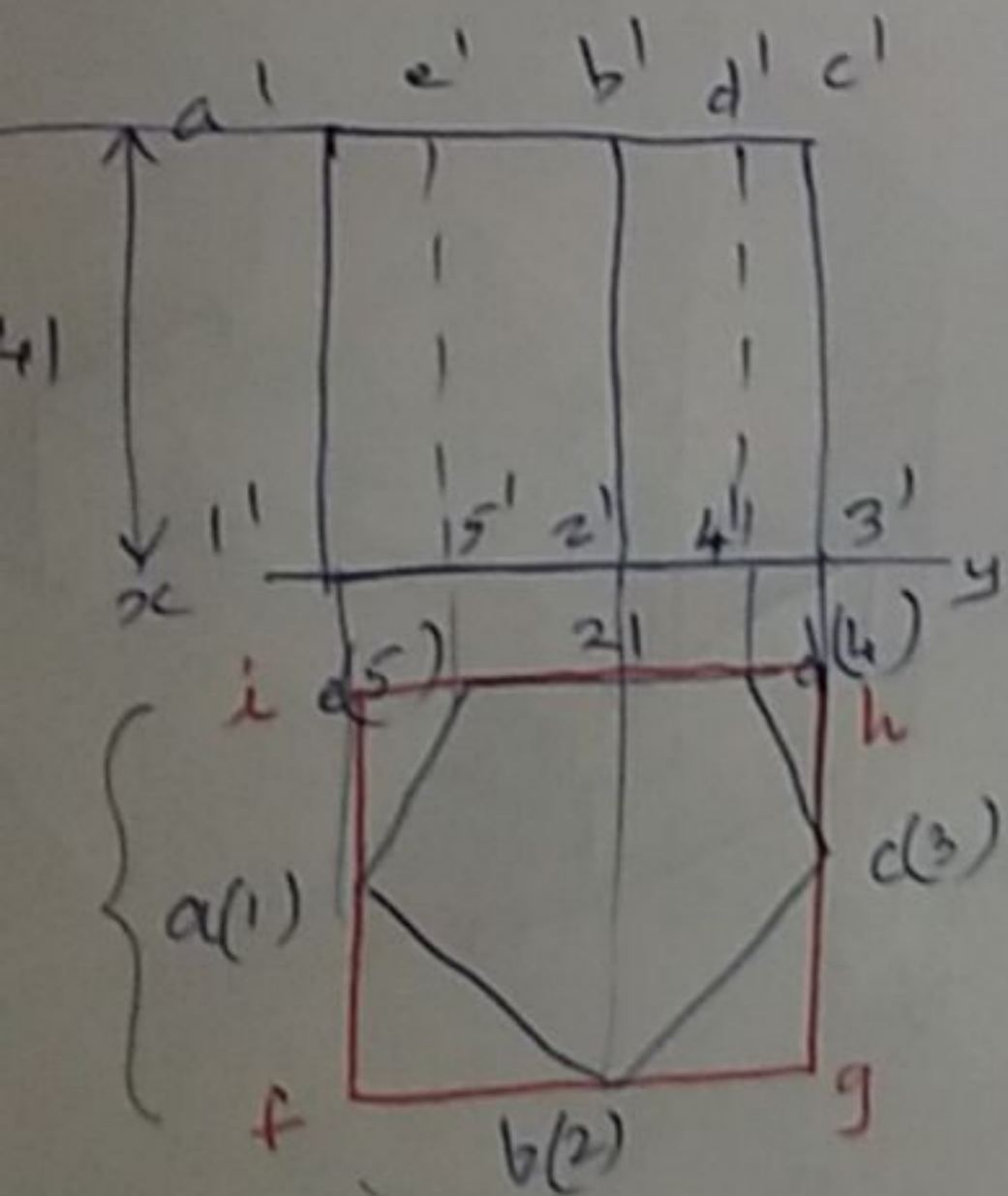
Isometric projection

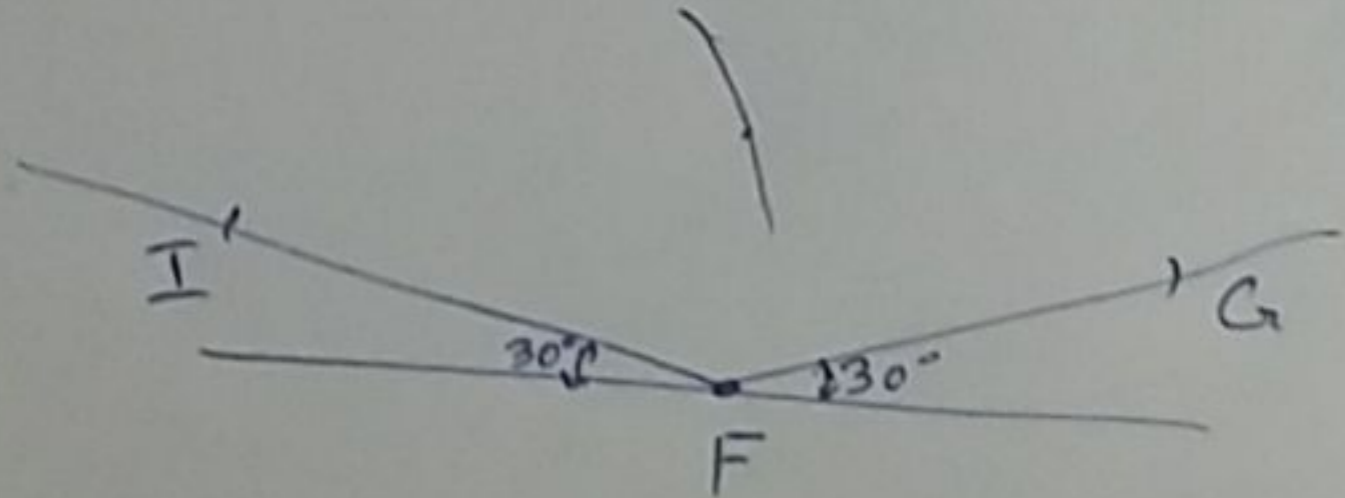
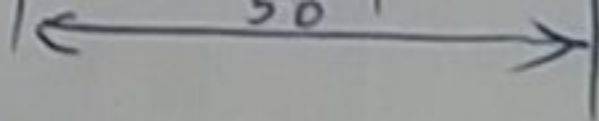
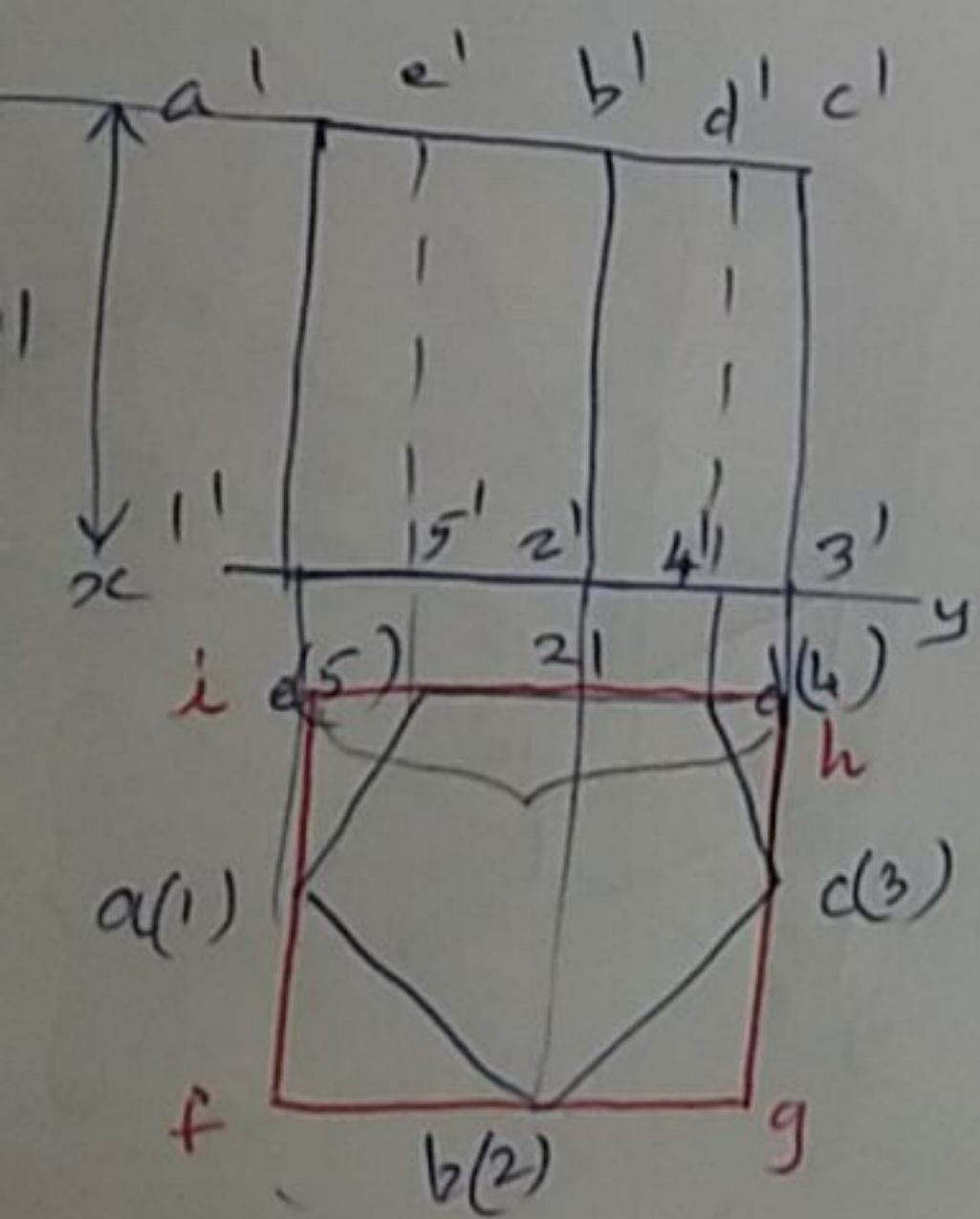
Isometric

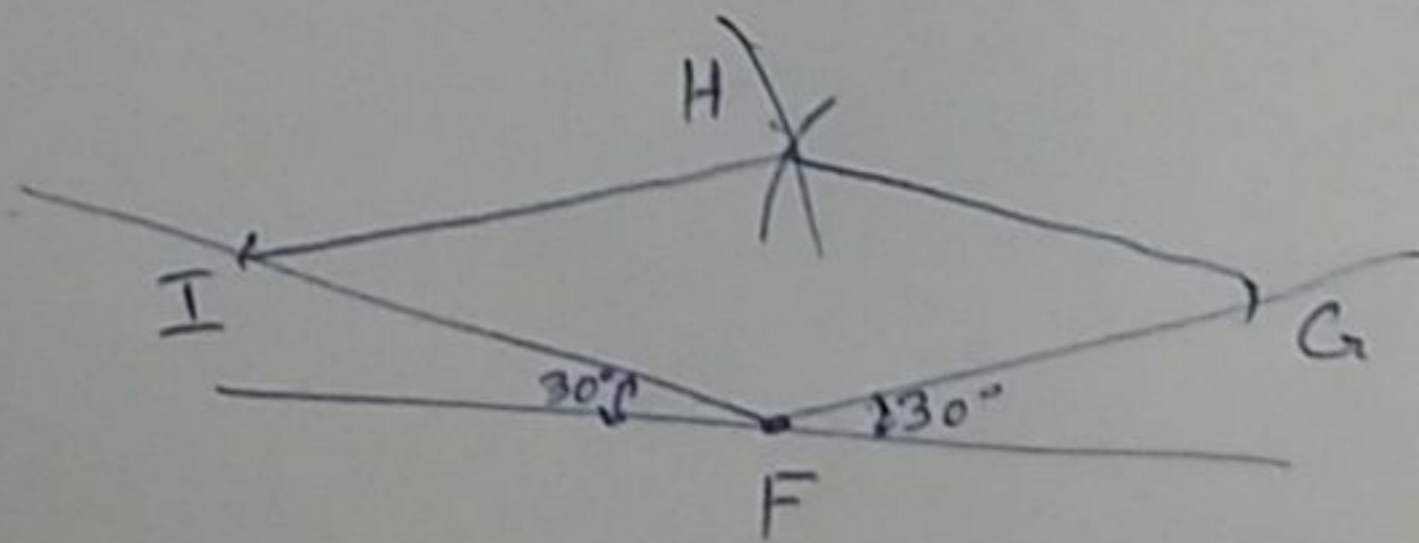
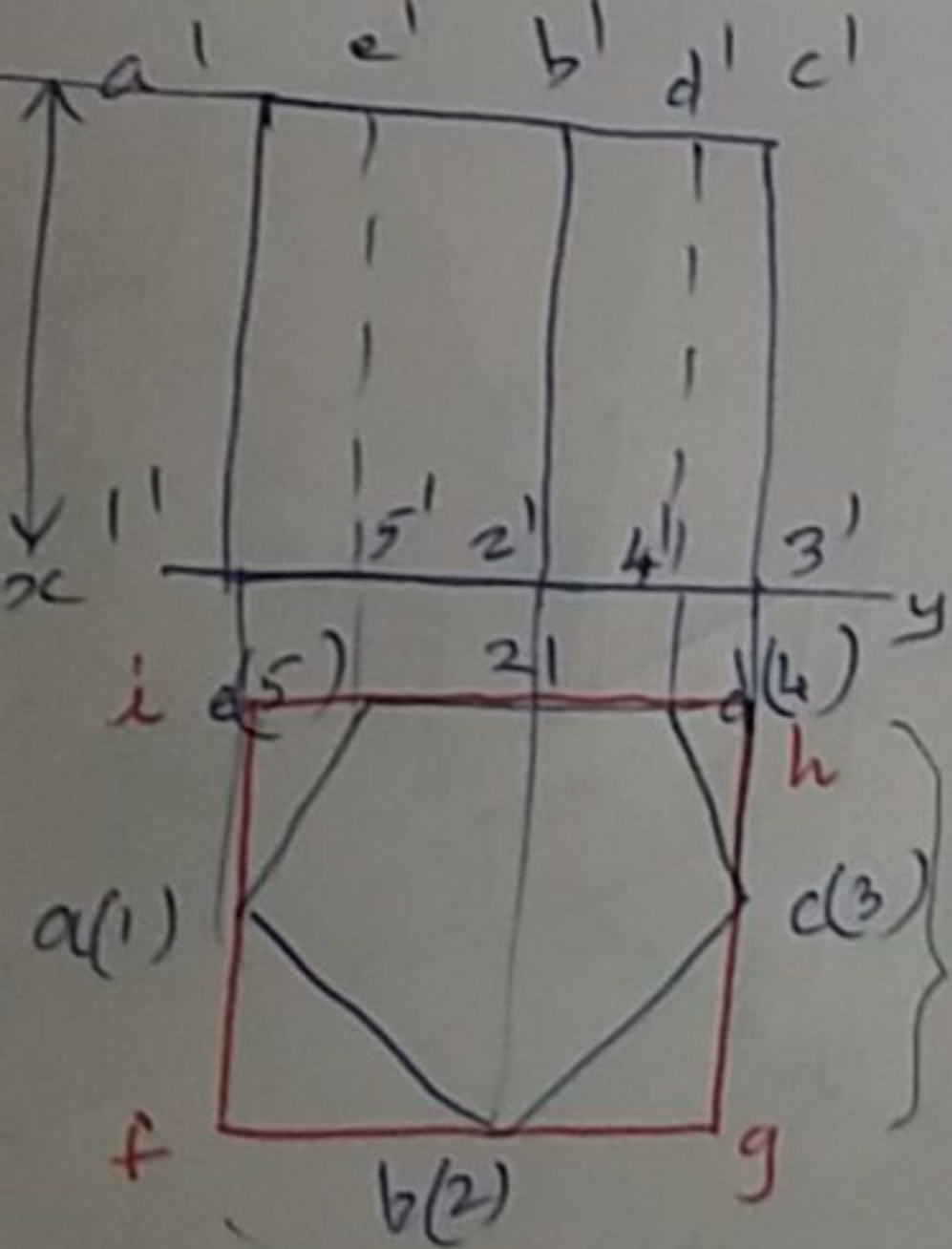


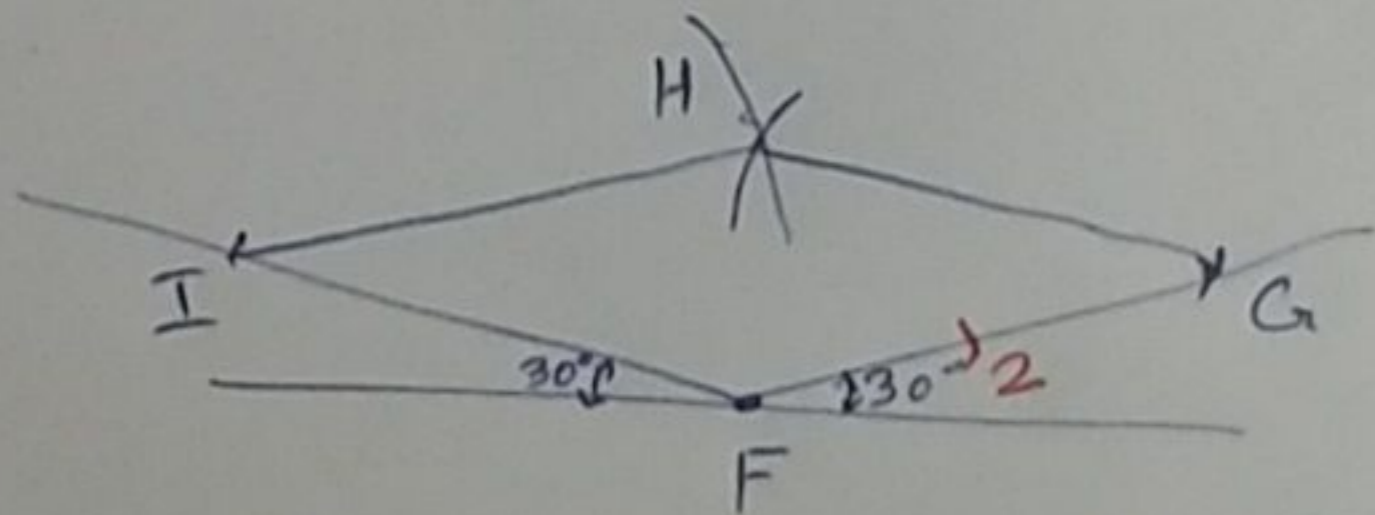
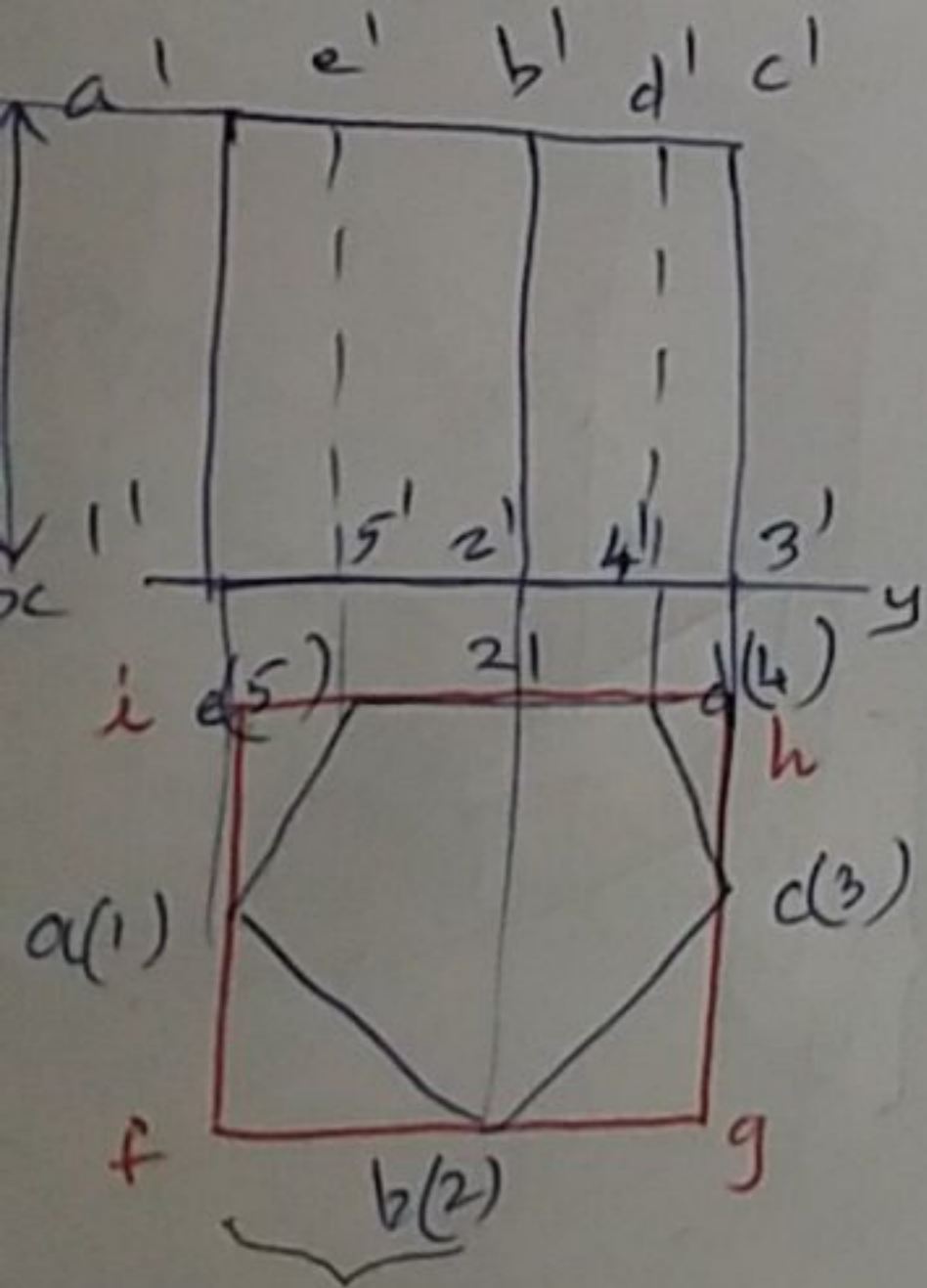


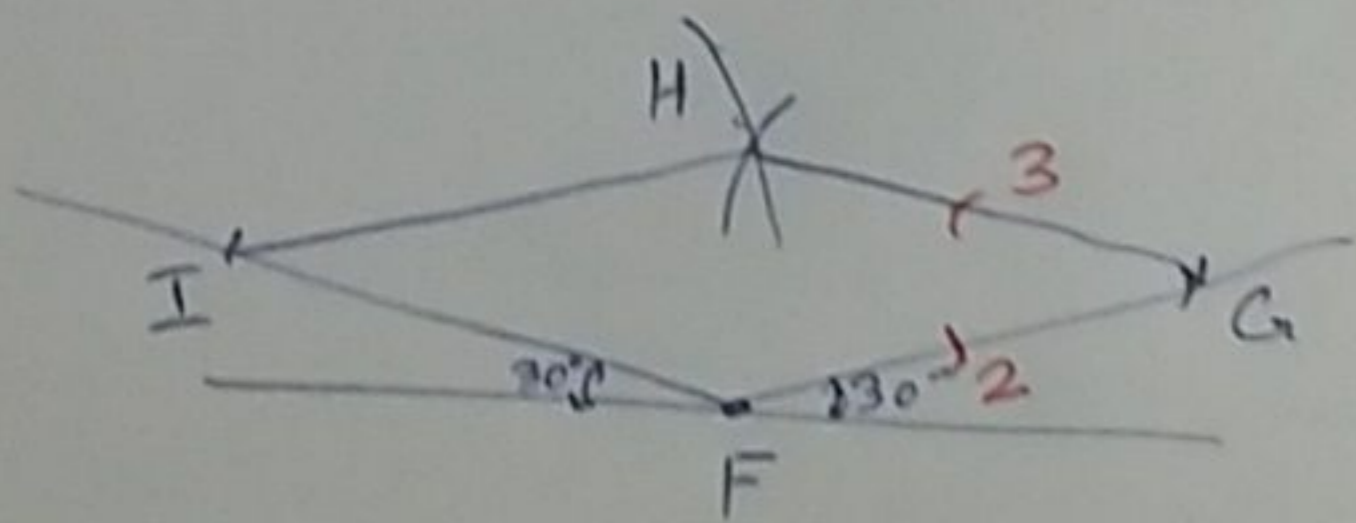
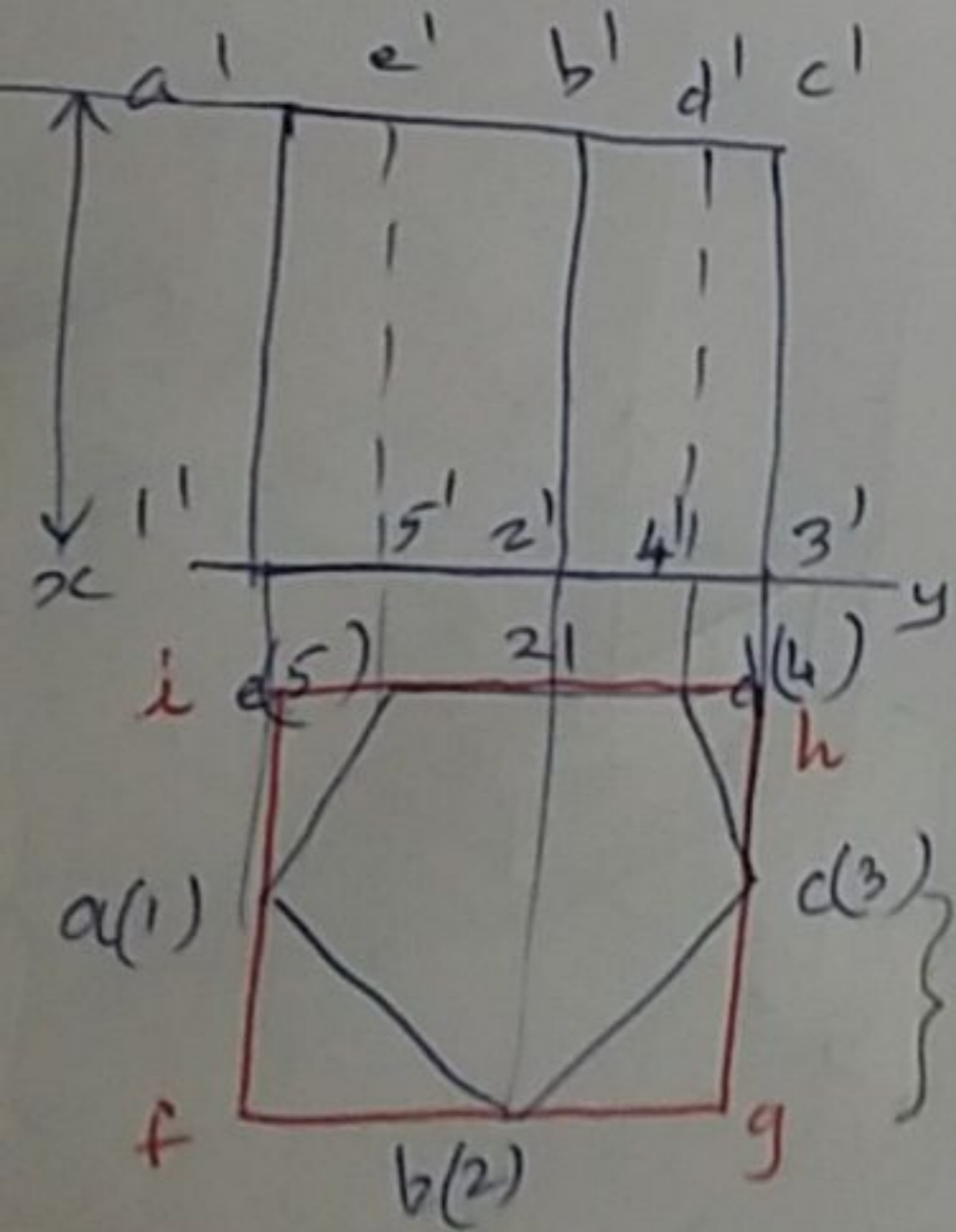


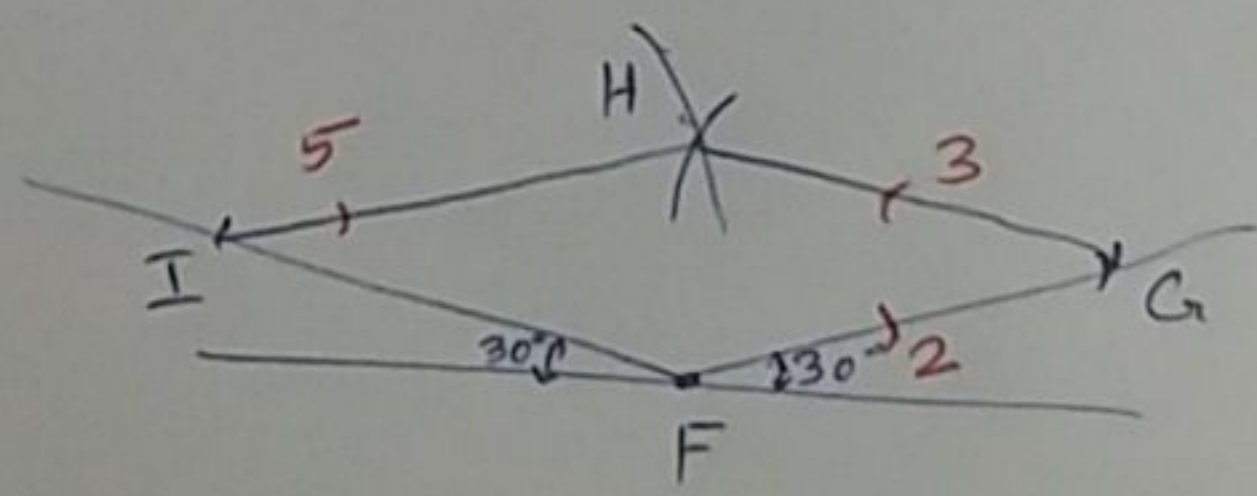
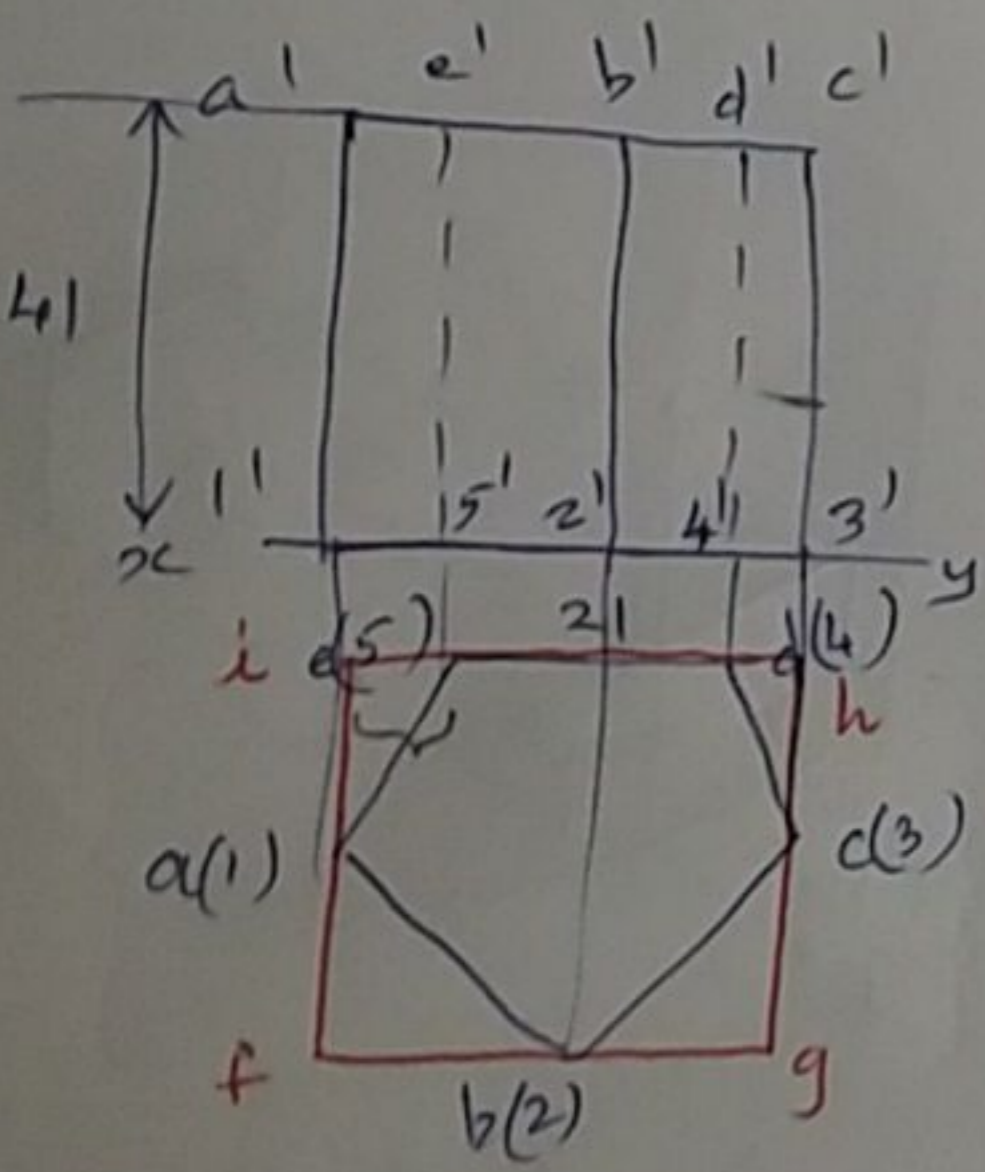


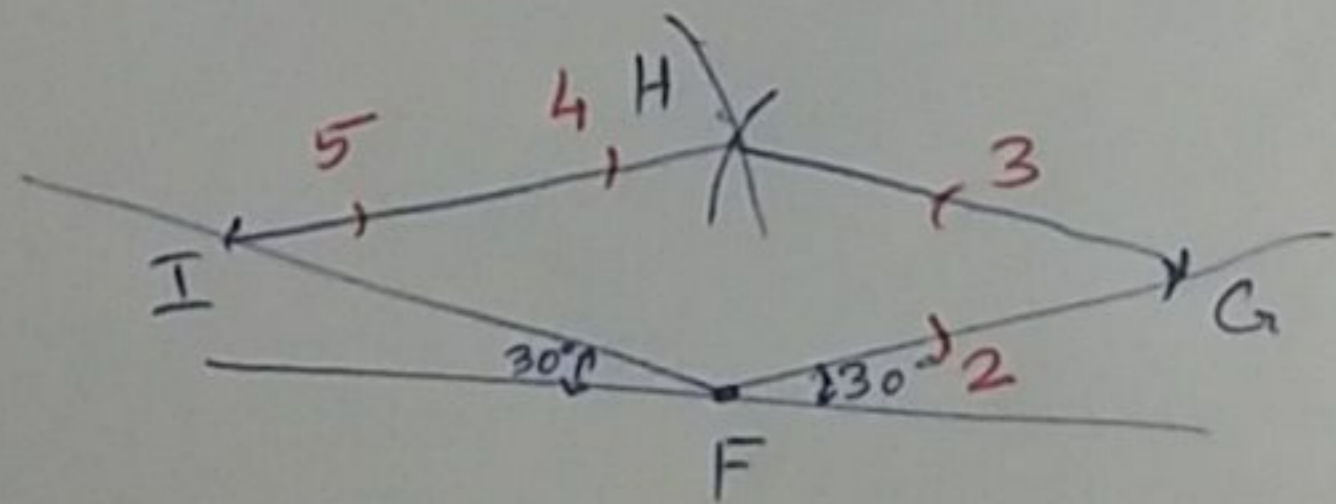
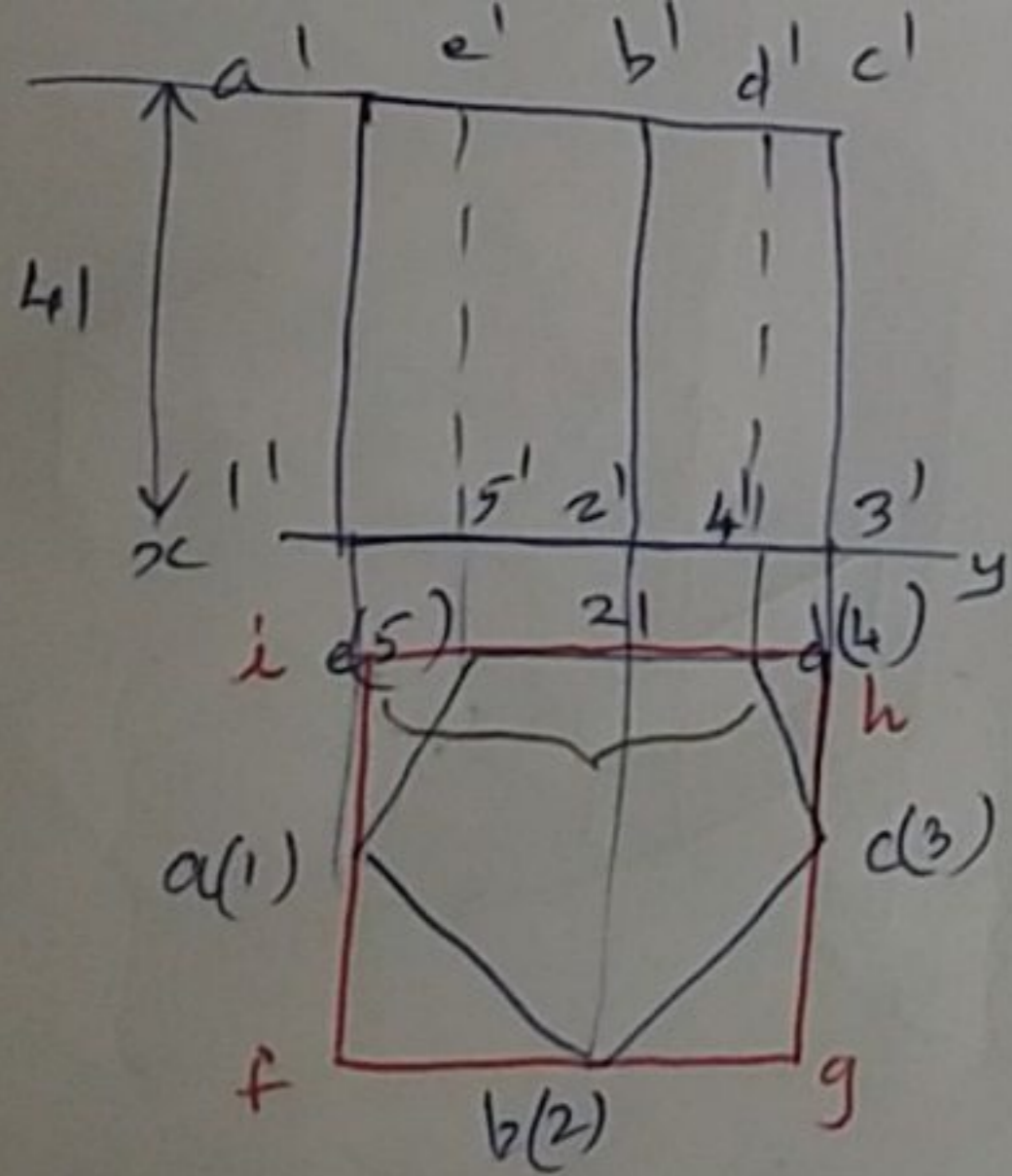


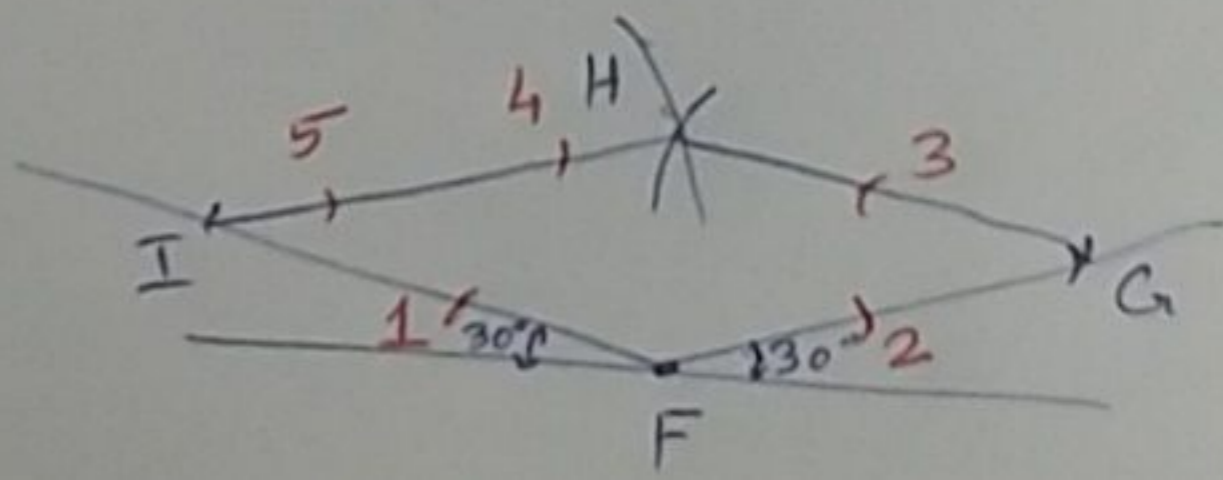
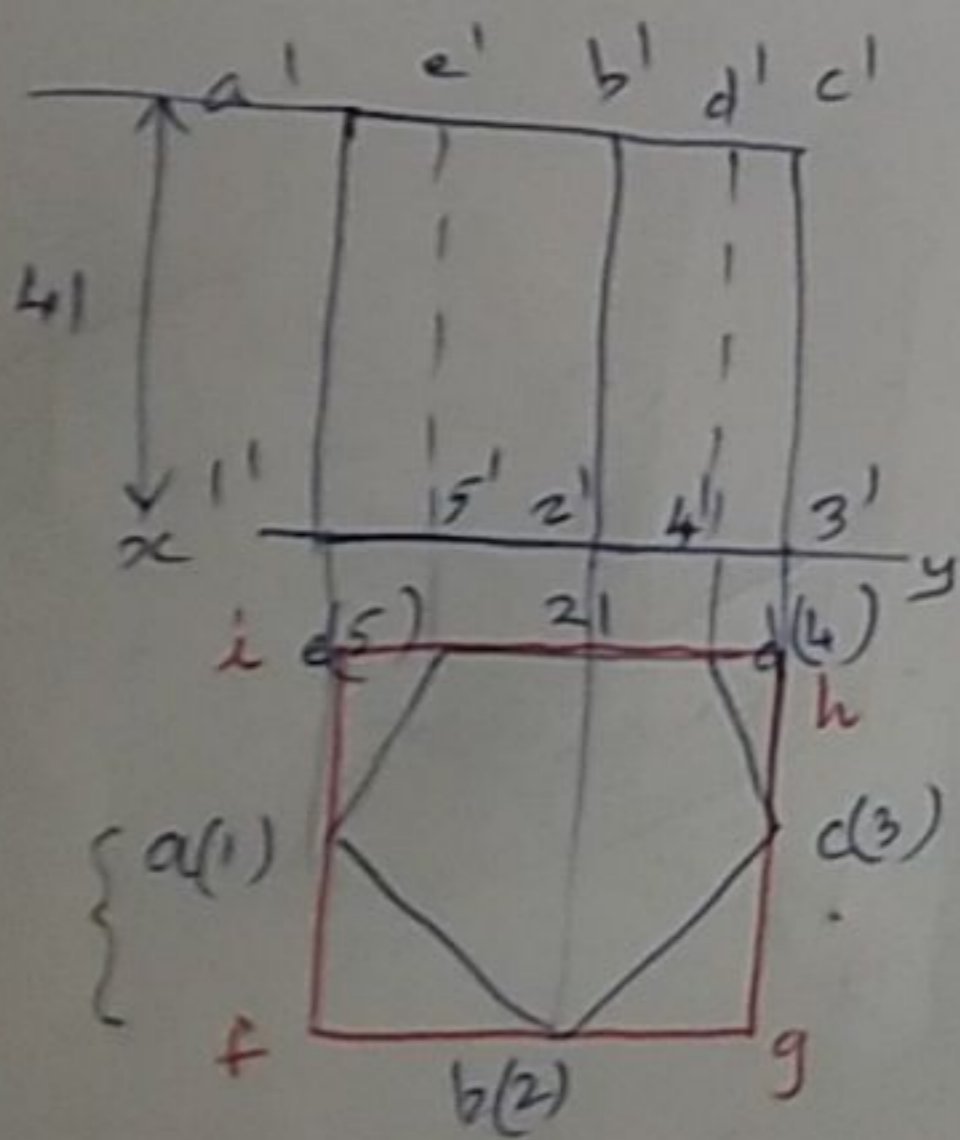


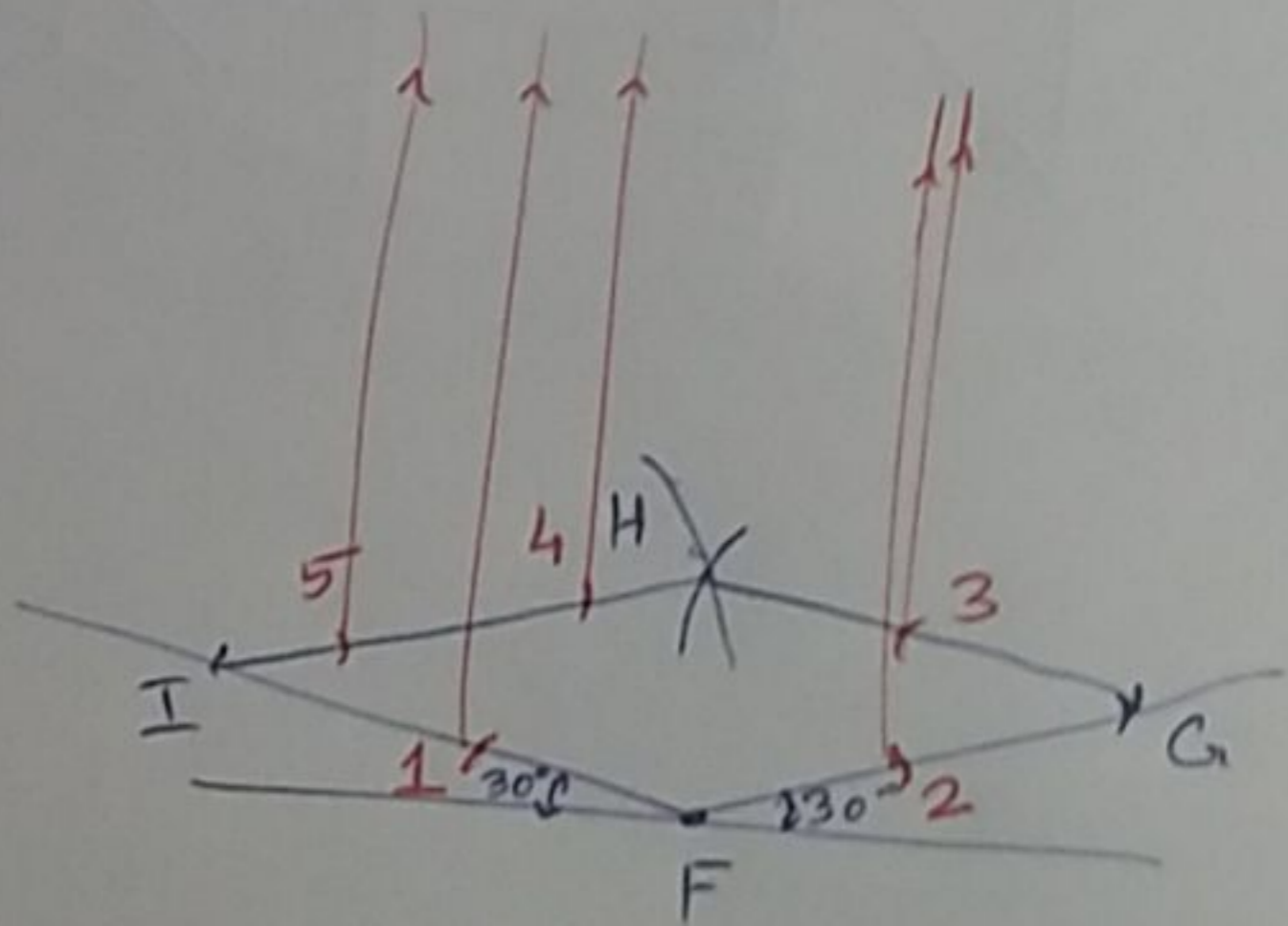
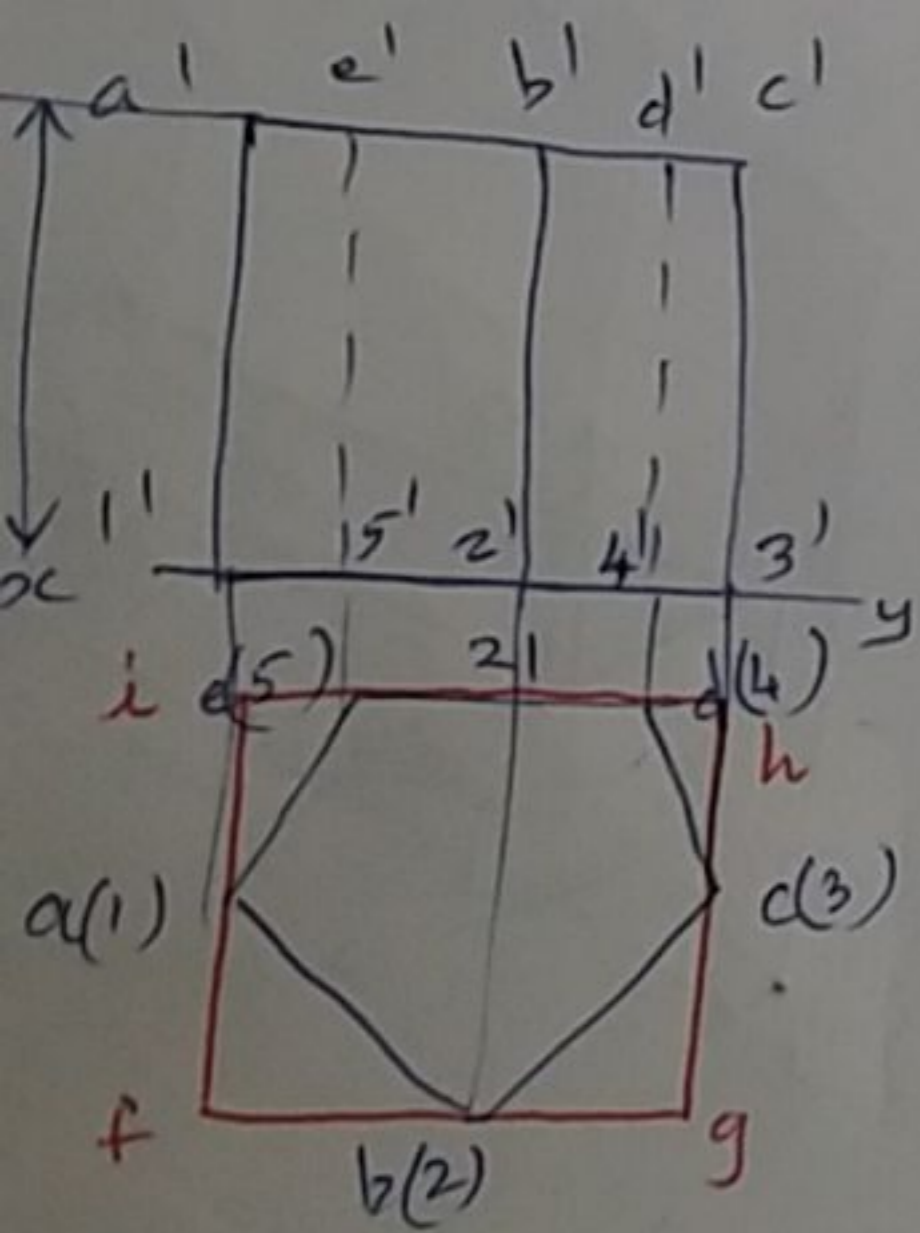


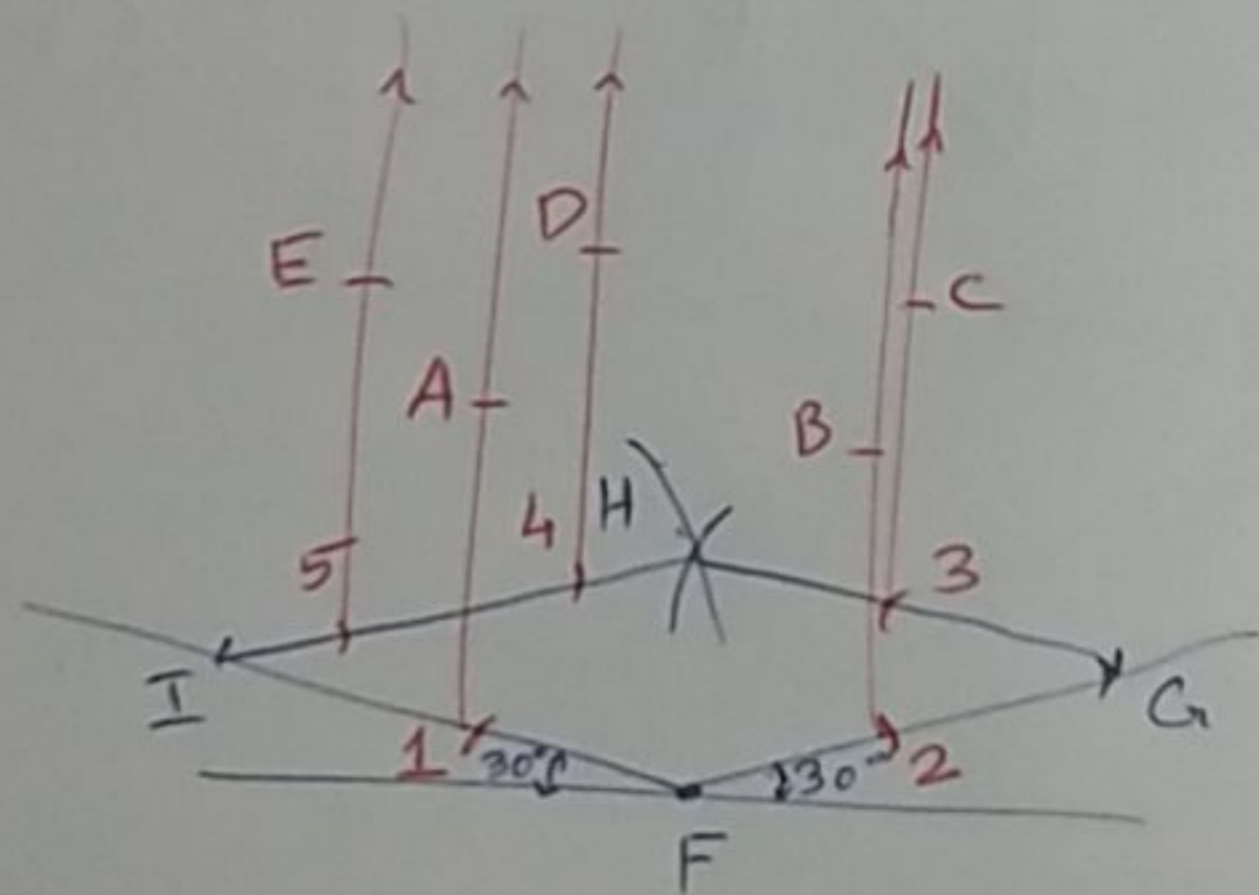
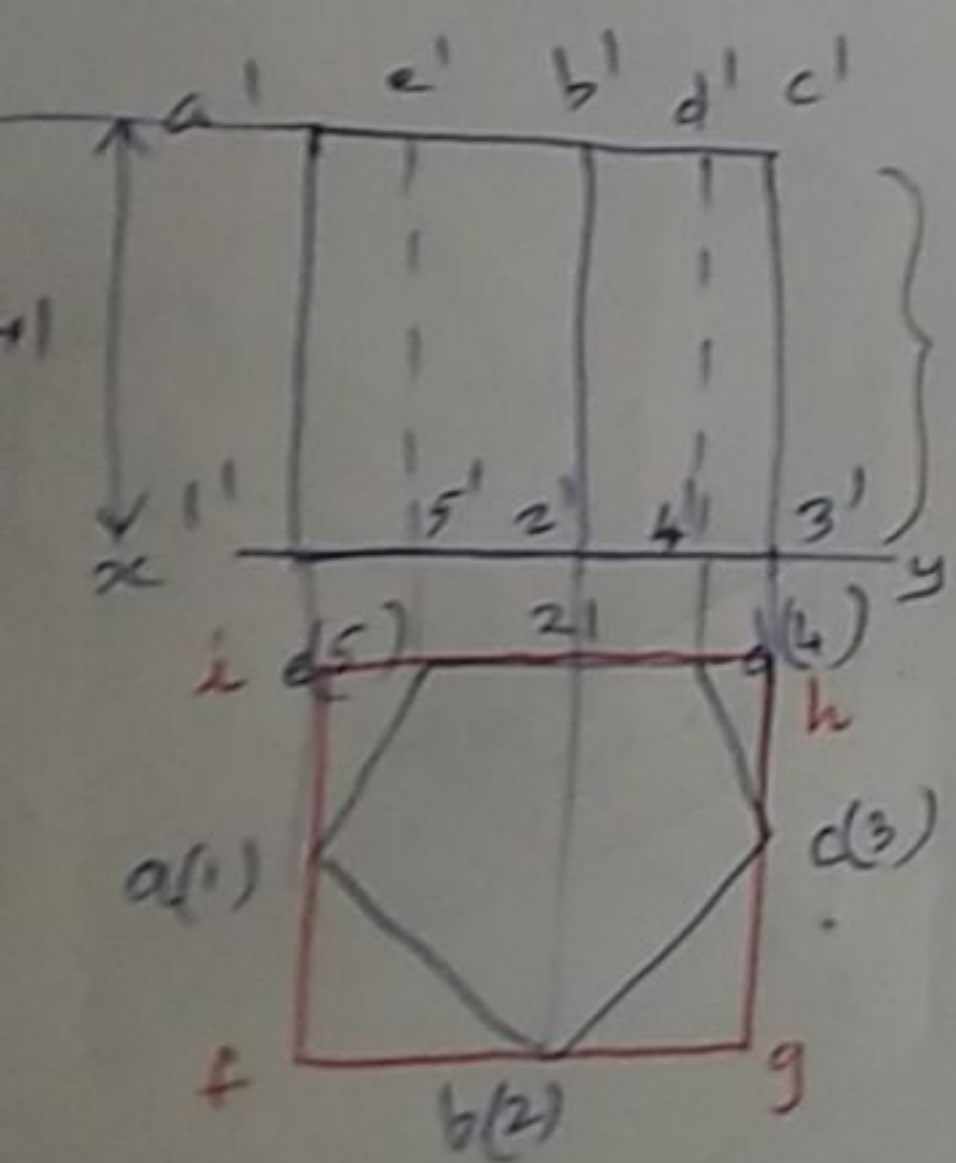


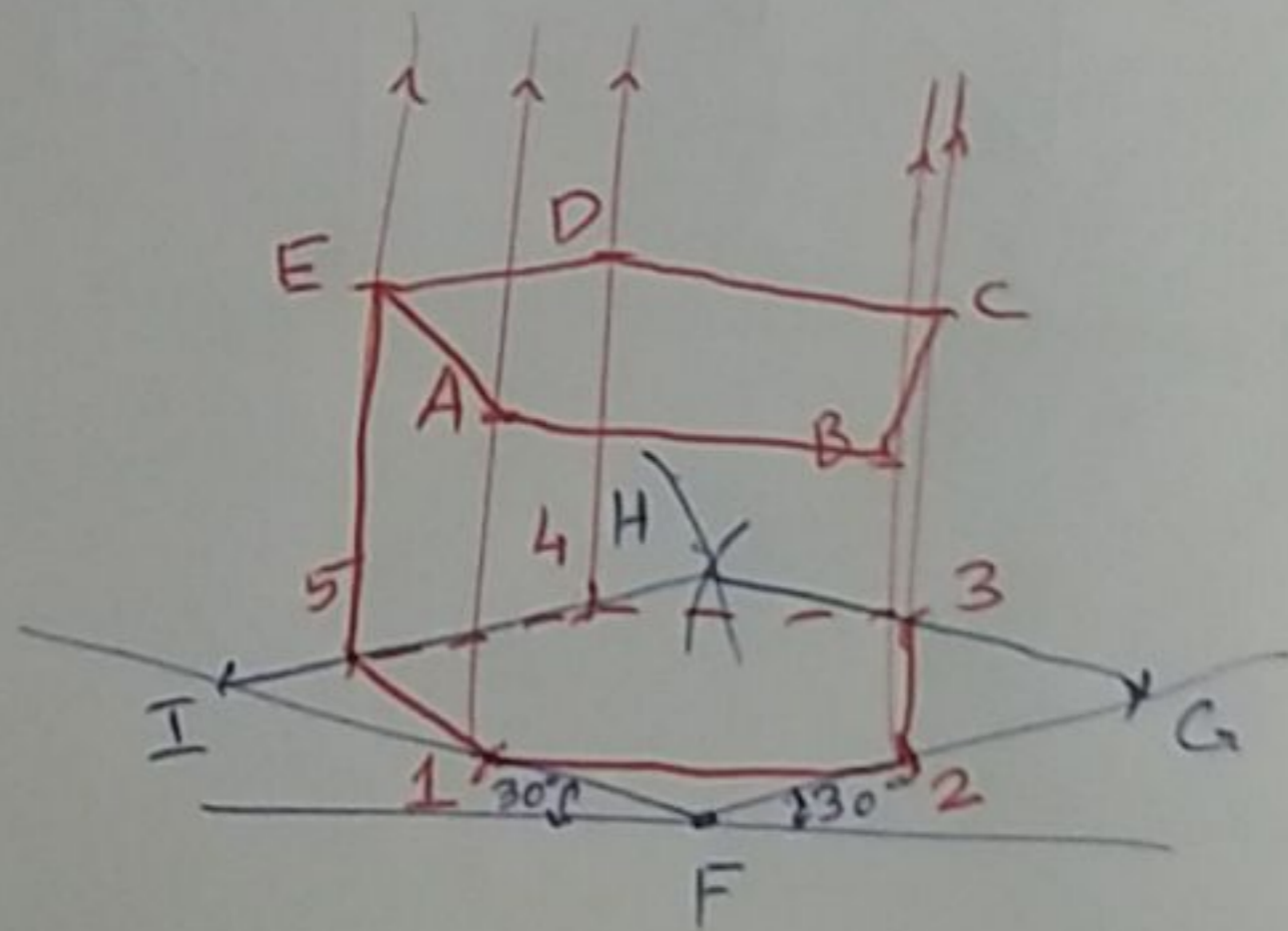
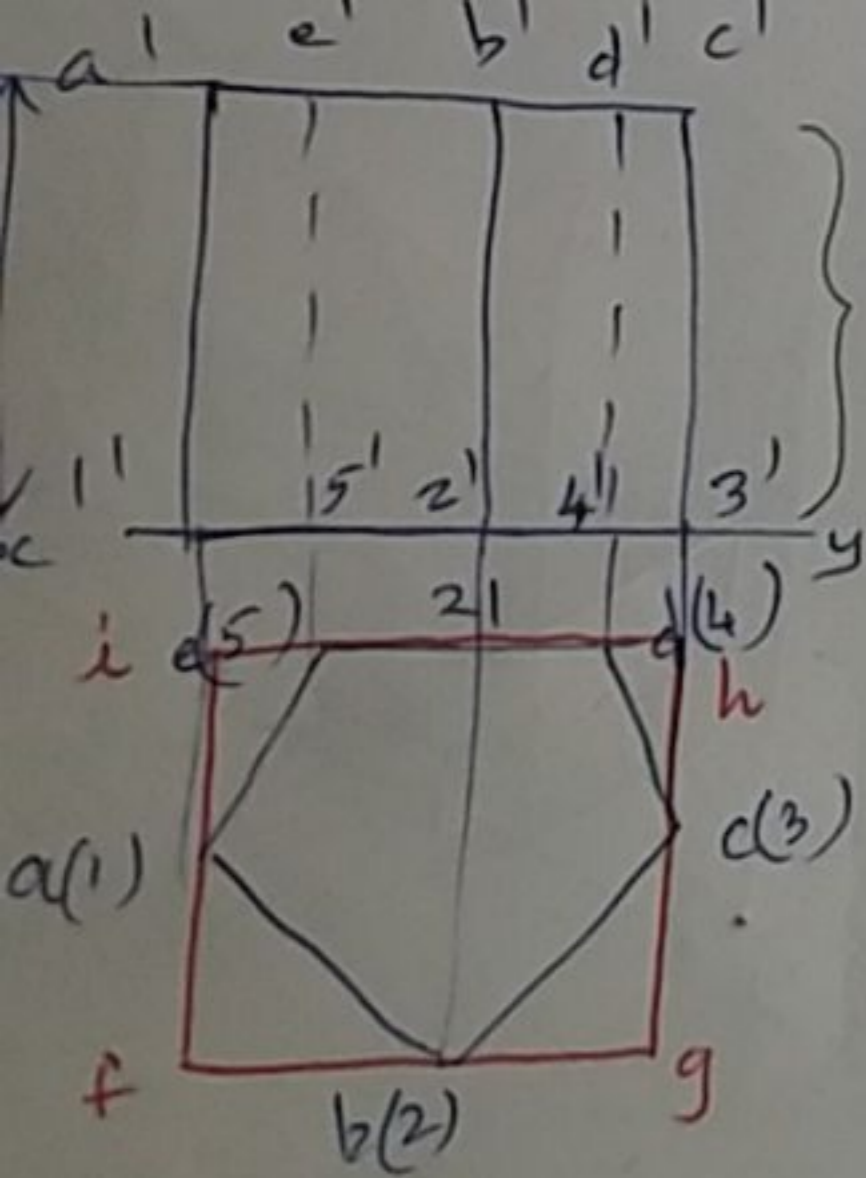




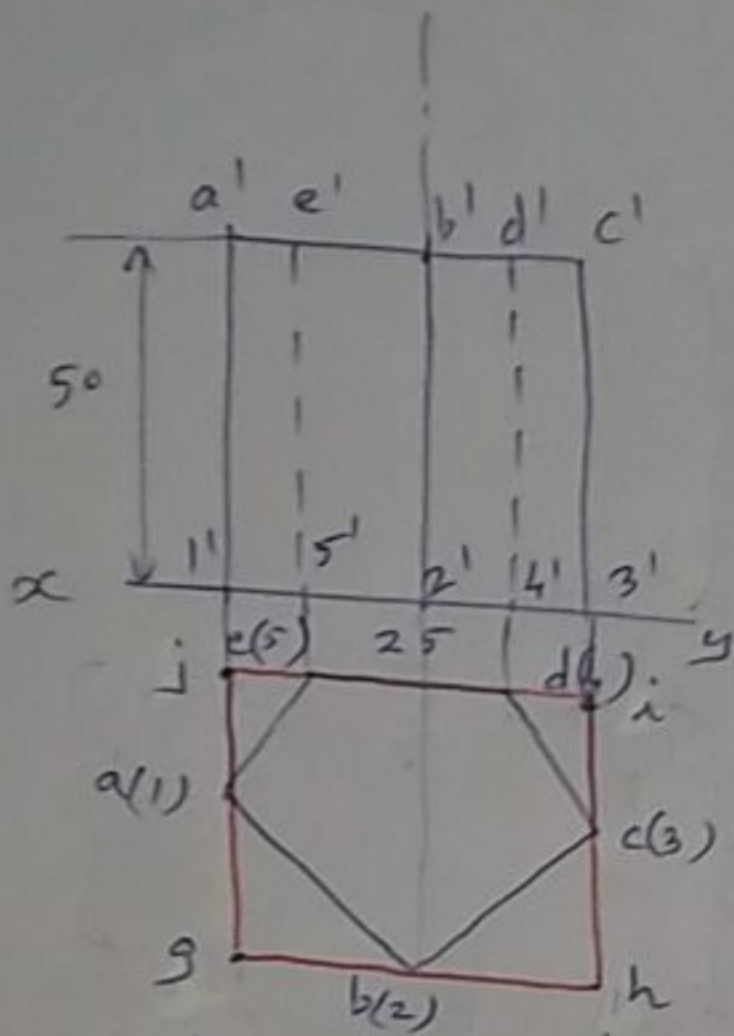






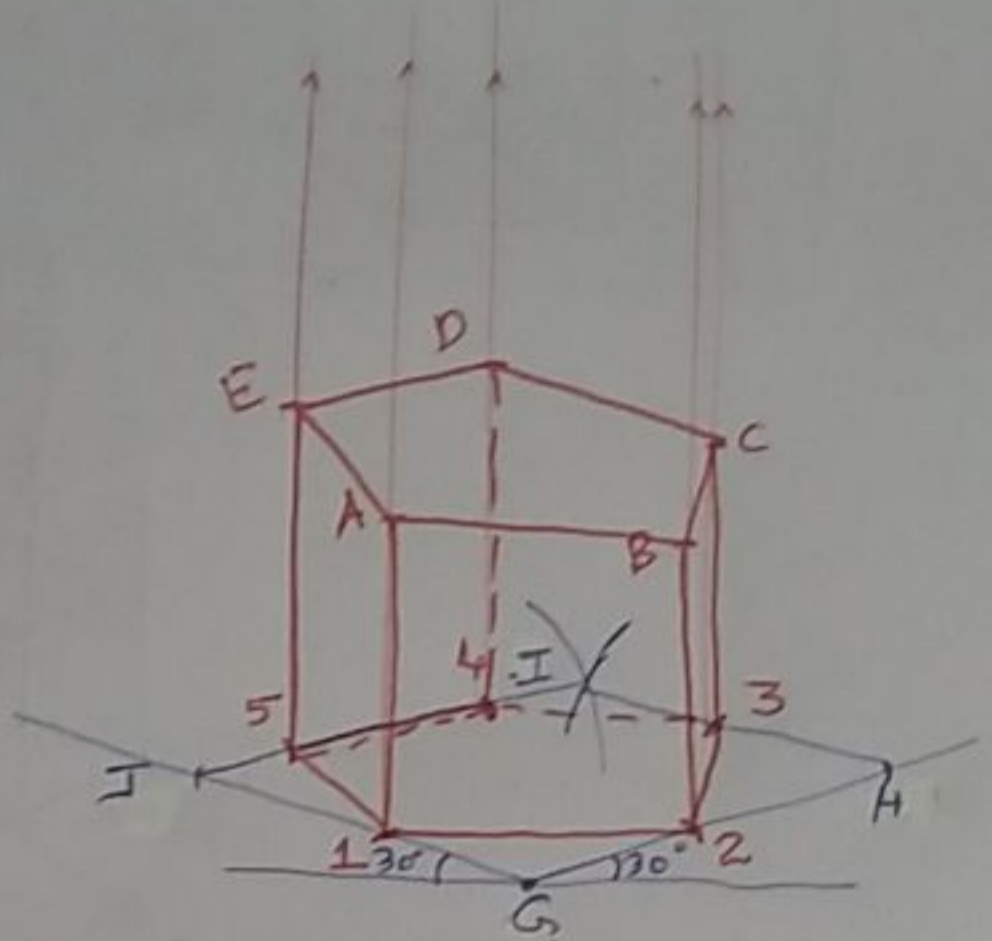
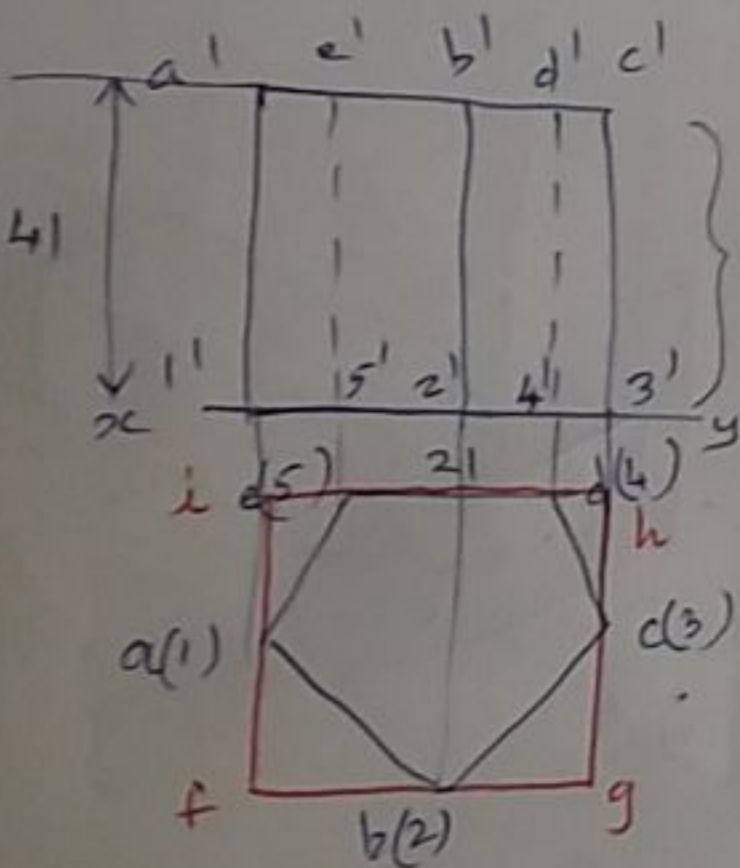


Isometric View



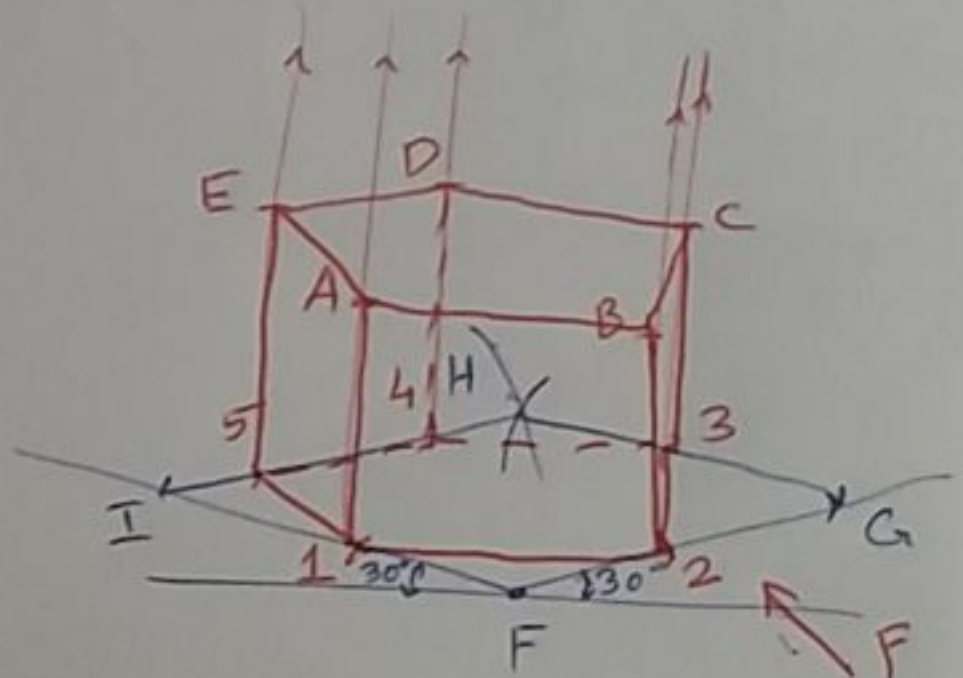
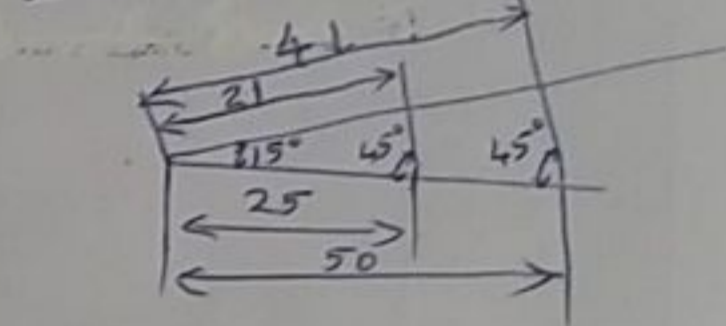
Orthographic projection

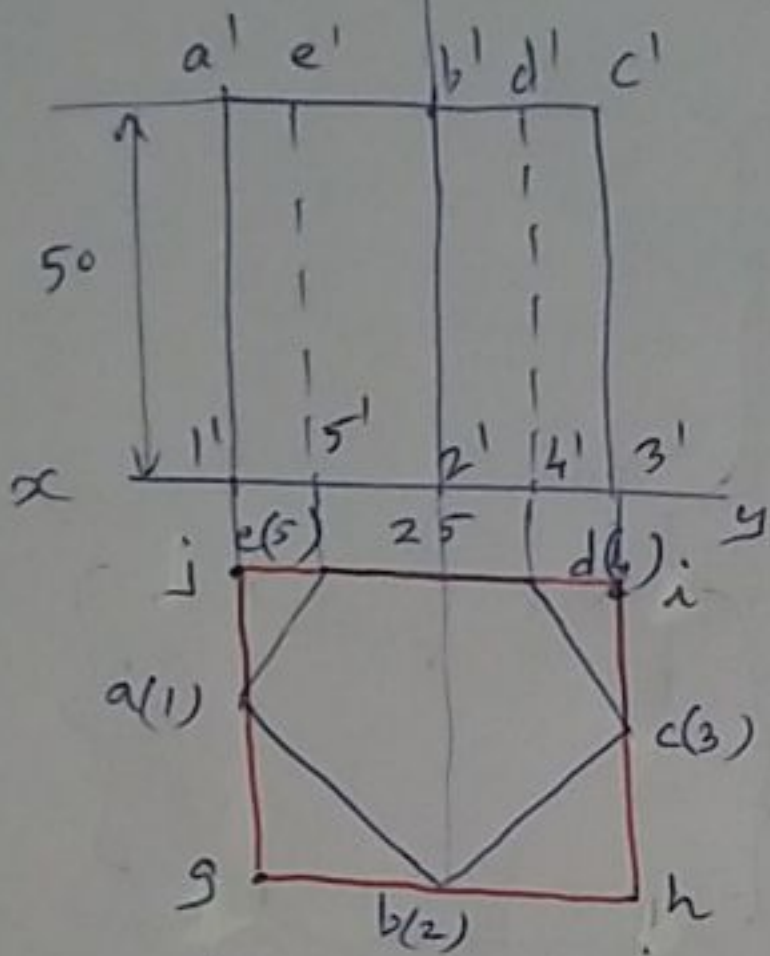
Isometric projection



Isometric View

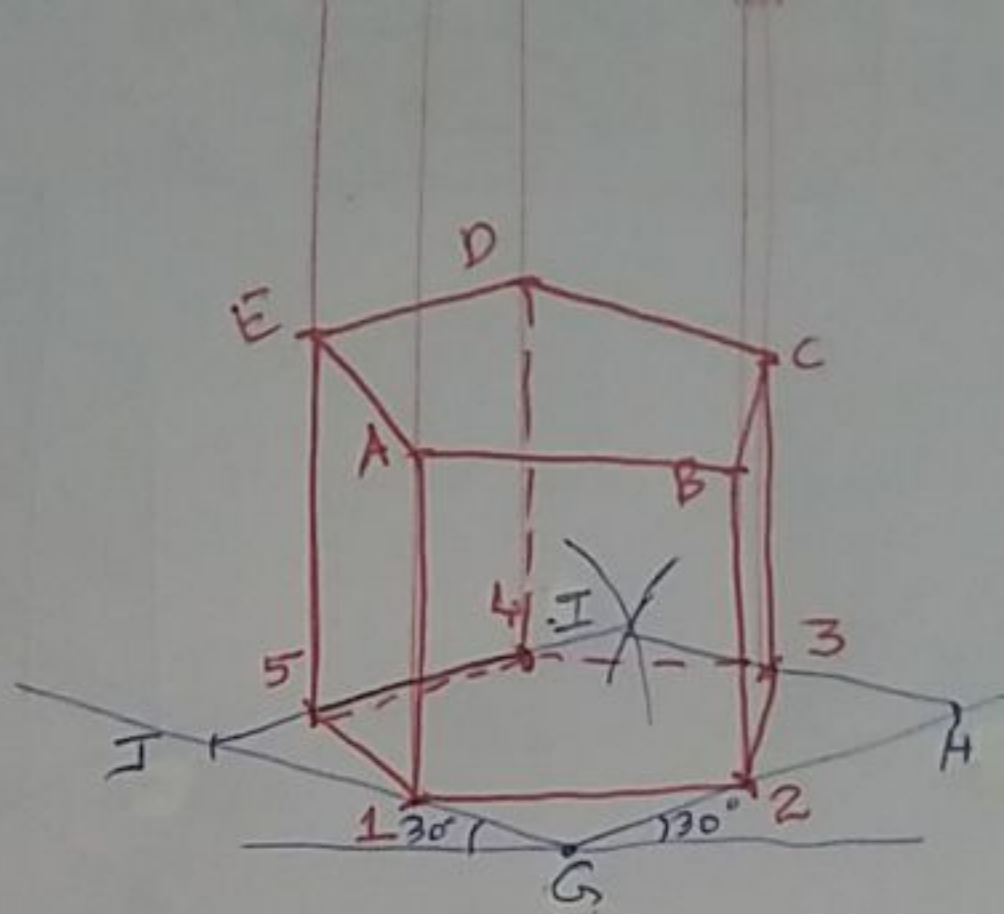
Isometric Scale





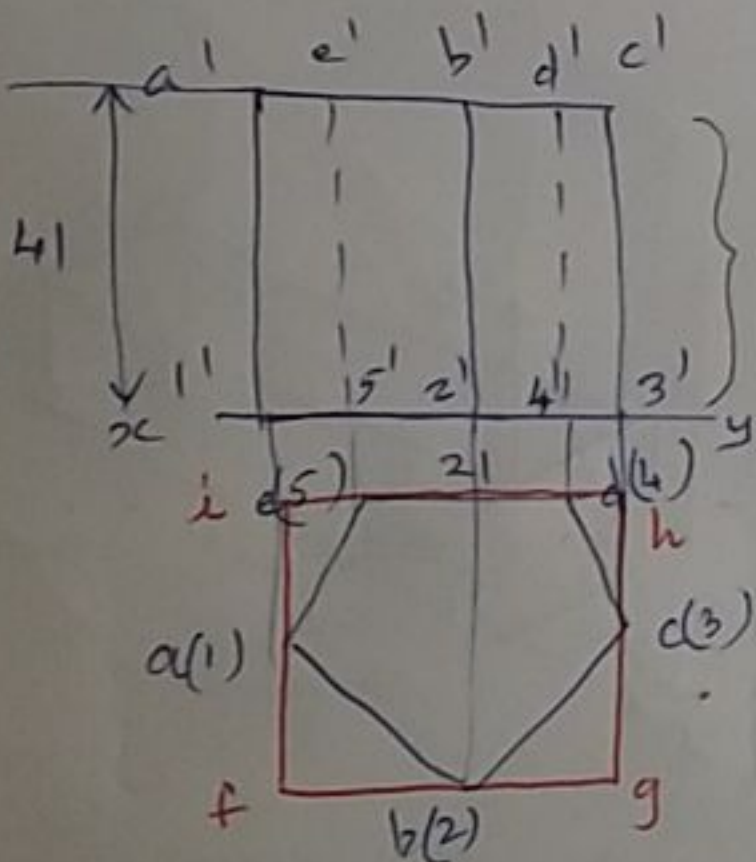
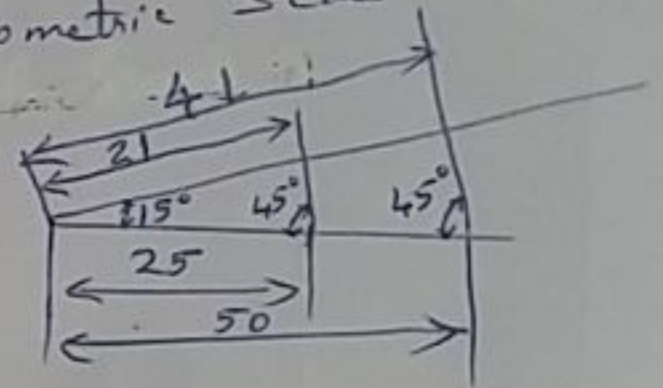
Orthographic projection

Isometric projection

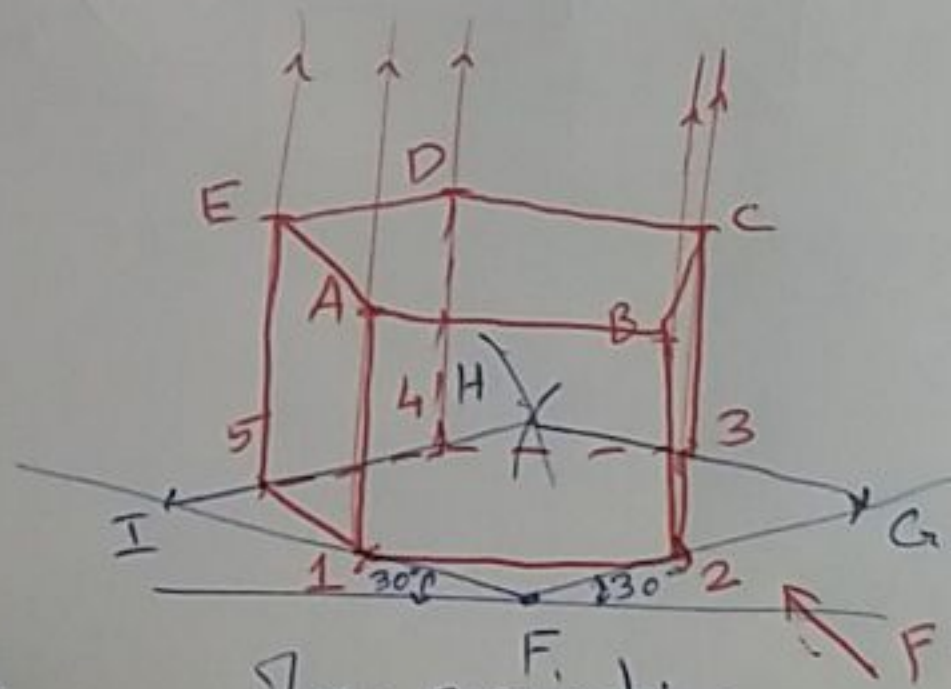


Isometric View

Isometric Scale



Orth. proj. using Iso. Scale



Iso. projection.