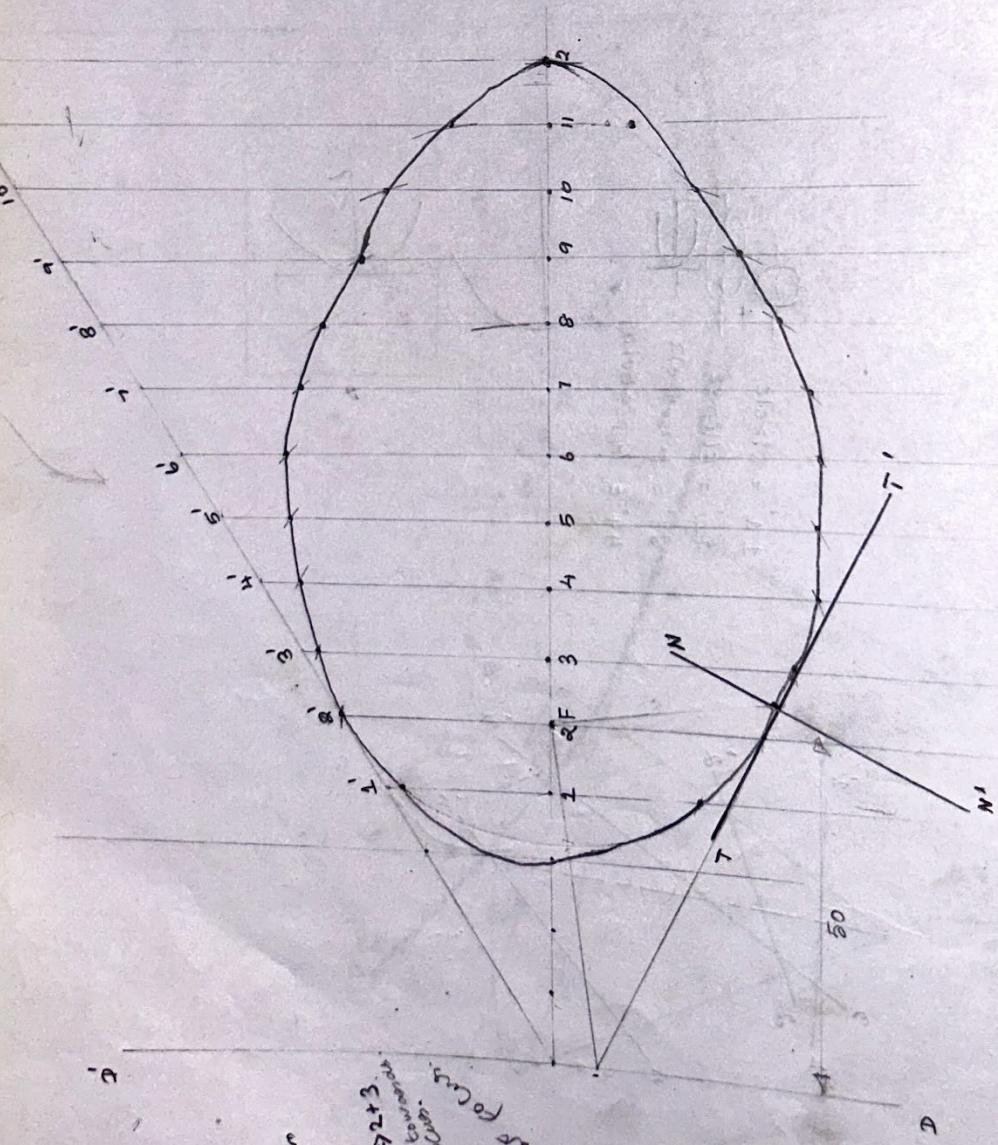


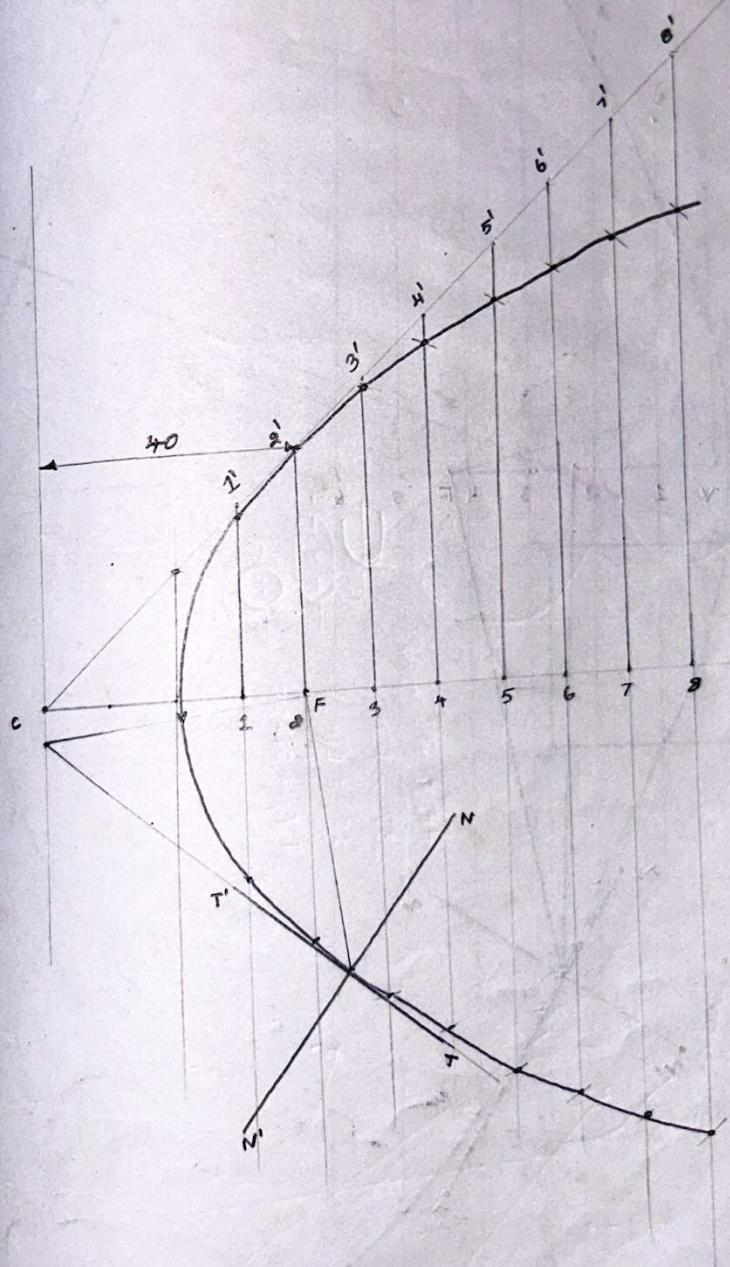
Draw an ellipse on the distance of directrix and focus 25 mm, eccentricity $\frac{2}{3}$.



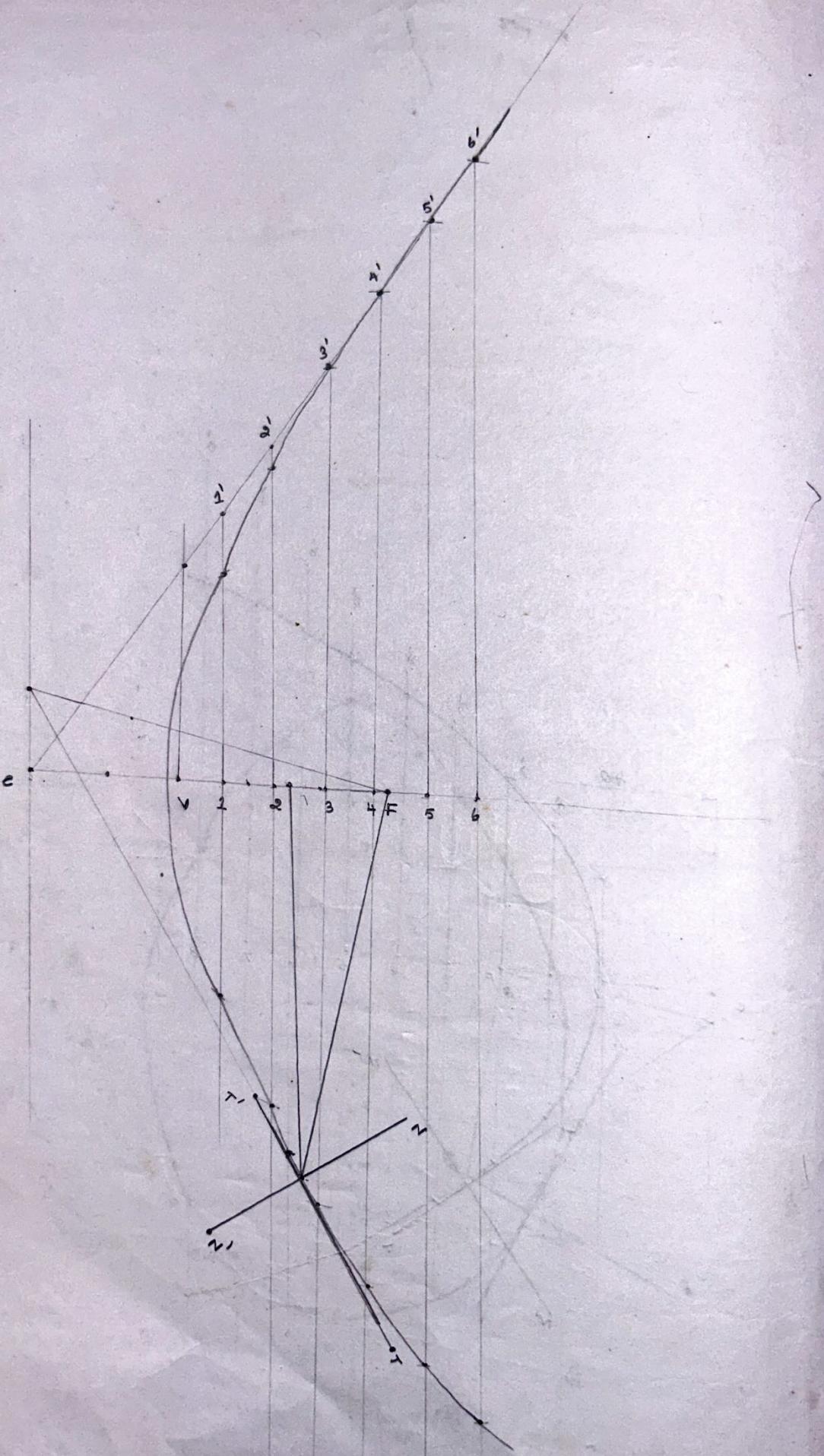
$f = 5 \text{ mm}$
 $\frac{2}{3} \Rightarrow 2+3$
(5) toward top.
vertex at 10
center at 5
since 5
10/5

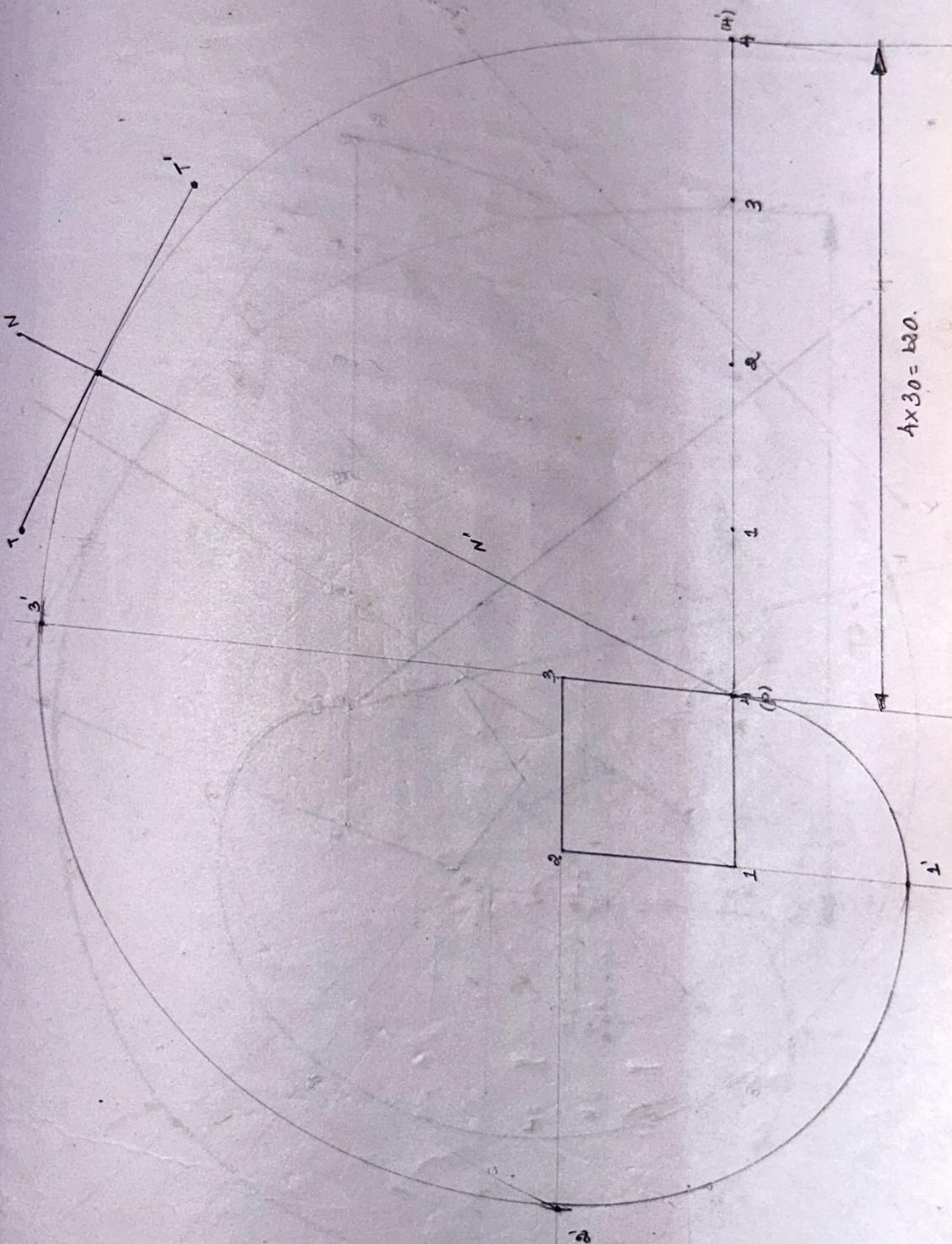
construct a parabola. the distance b/w directrix and focus is 40mm (40)

eccentricity:
 $e = \frac{2}{3}$

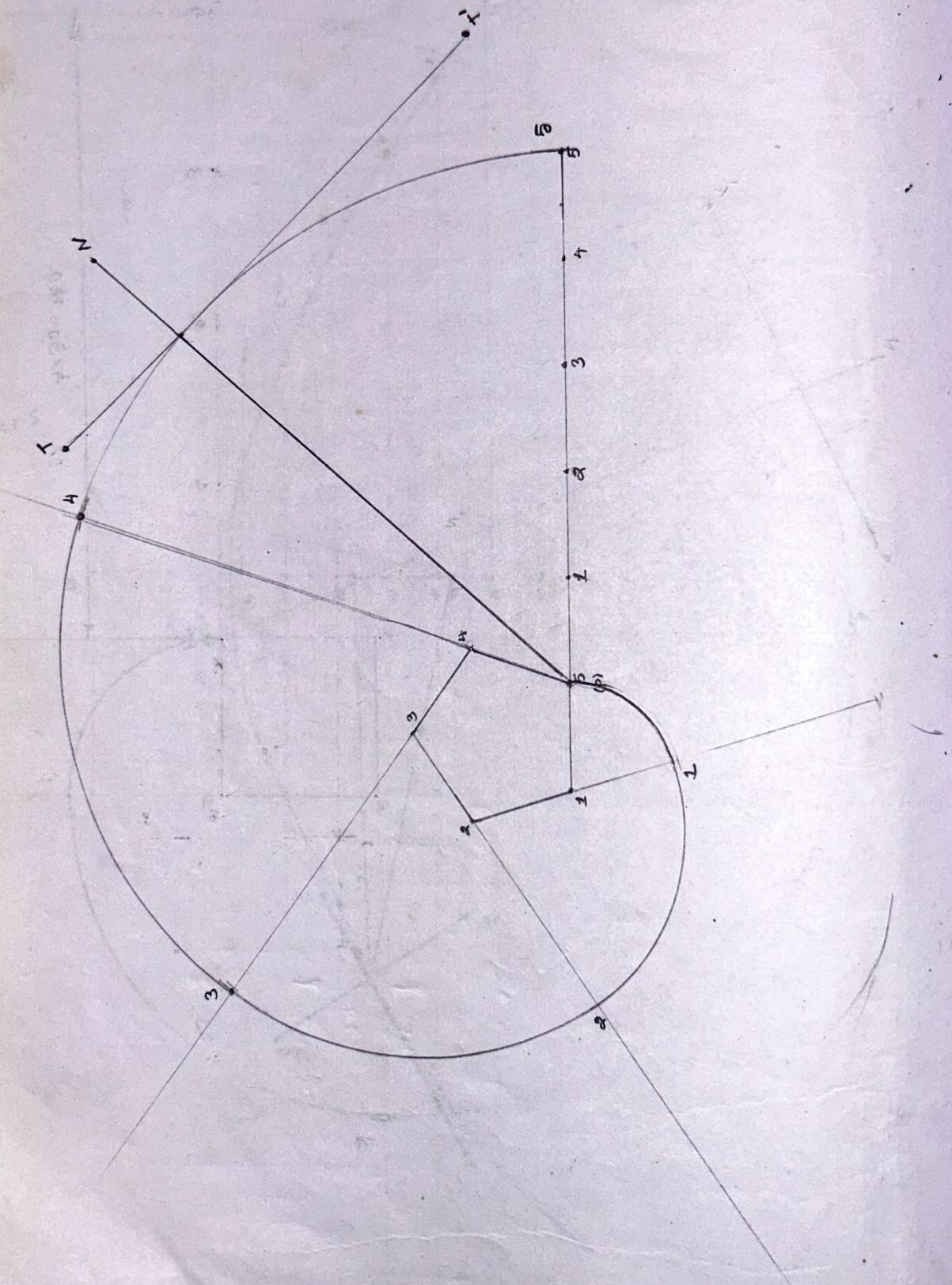


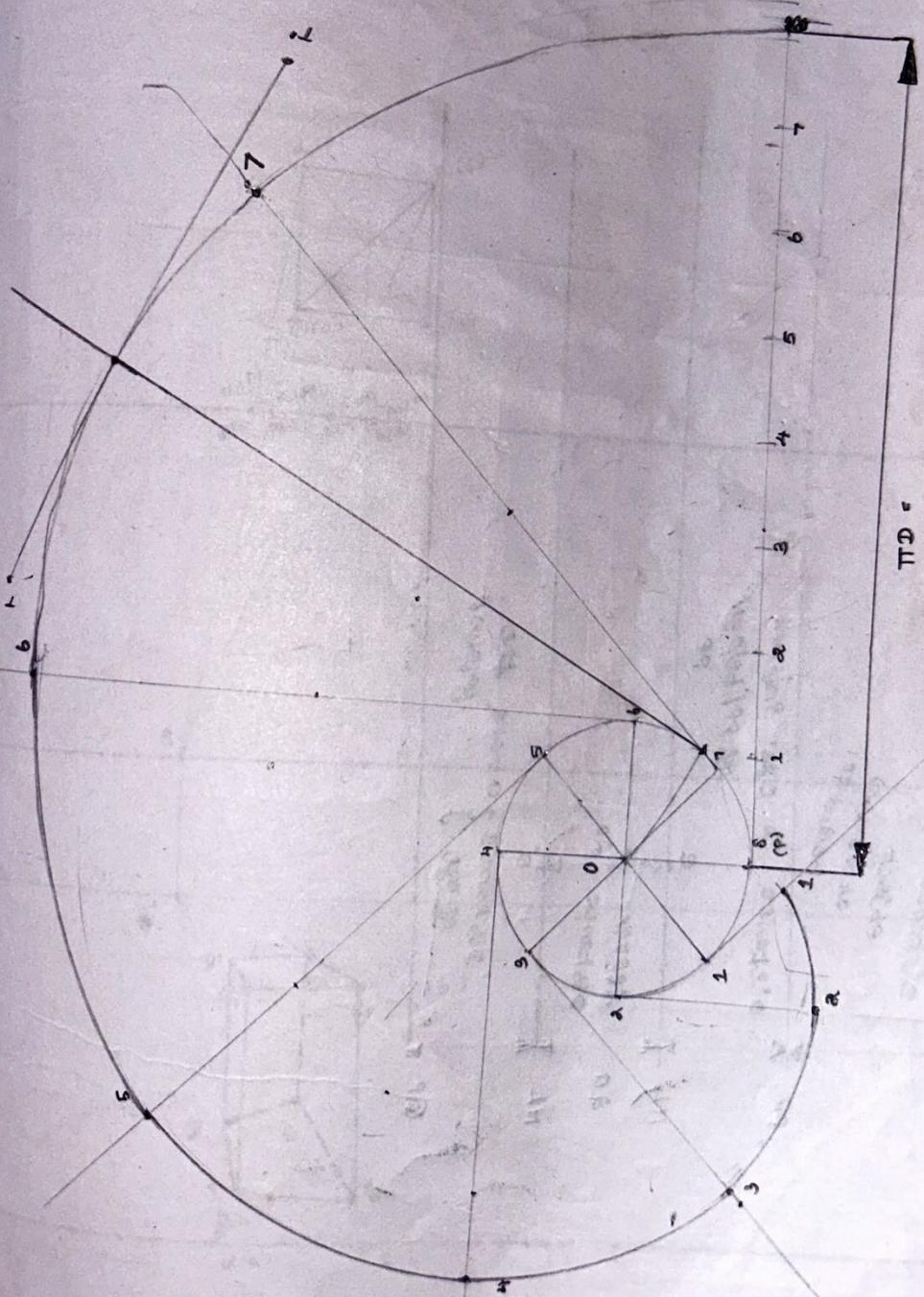
Draw a hyperbola when the distance of focus from the directrix is 70mm. and eccentricity is 1.5. Draw tangent & normal to the curve at a point P. Distance 50mm from the directrix.



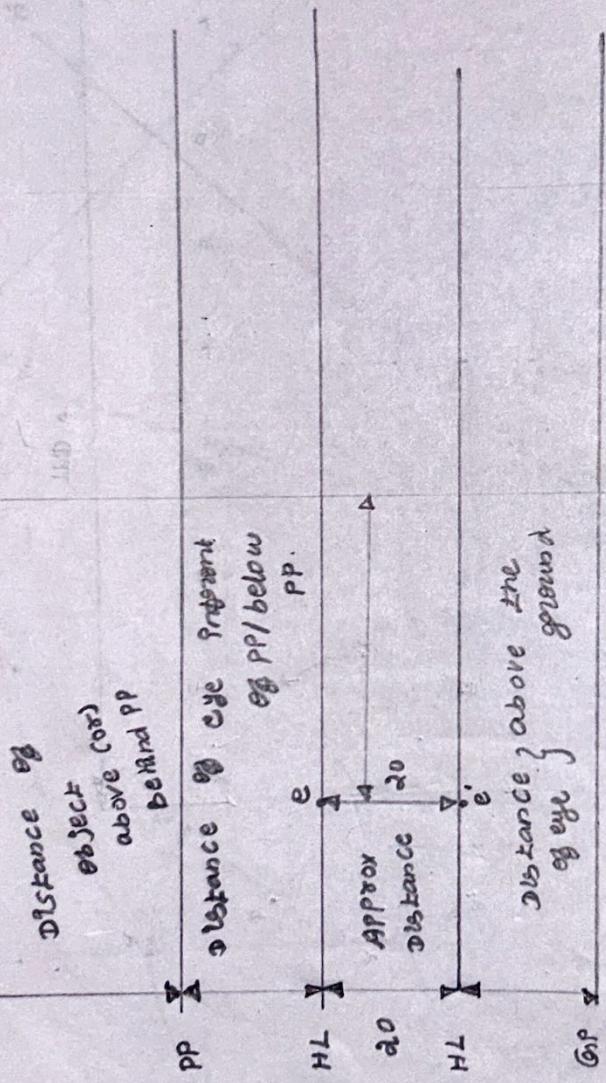


Draw an Involute of Pentagon 20mm





Perspective projection



Draw the perspective view of a square prism of base 20mm and height 35mm resting on end on the ground with the rectangular face 11el to picture plane (PP). The axis of the prism is 25mm behind the picture plane and 25mm to the right of the eye. The eye is 50mm from the PP. and 50mm above the ground.

Eye

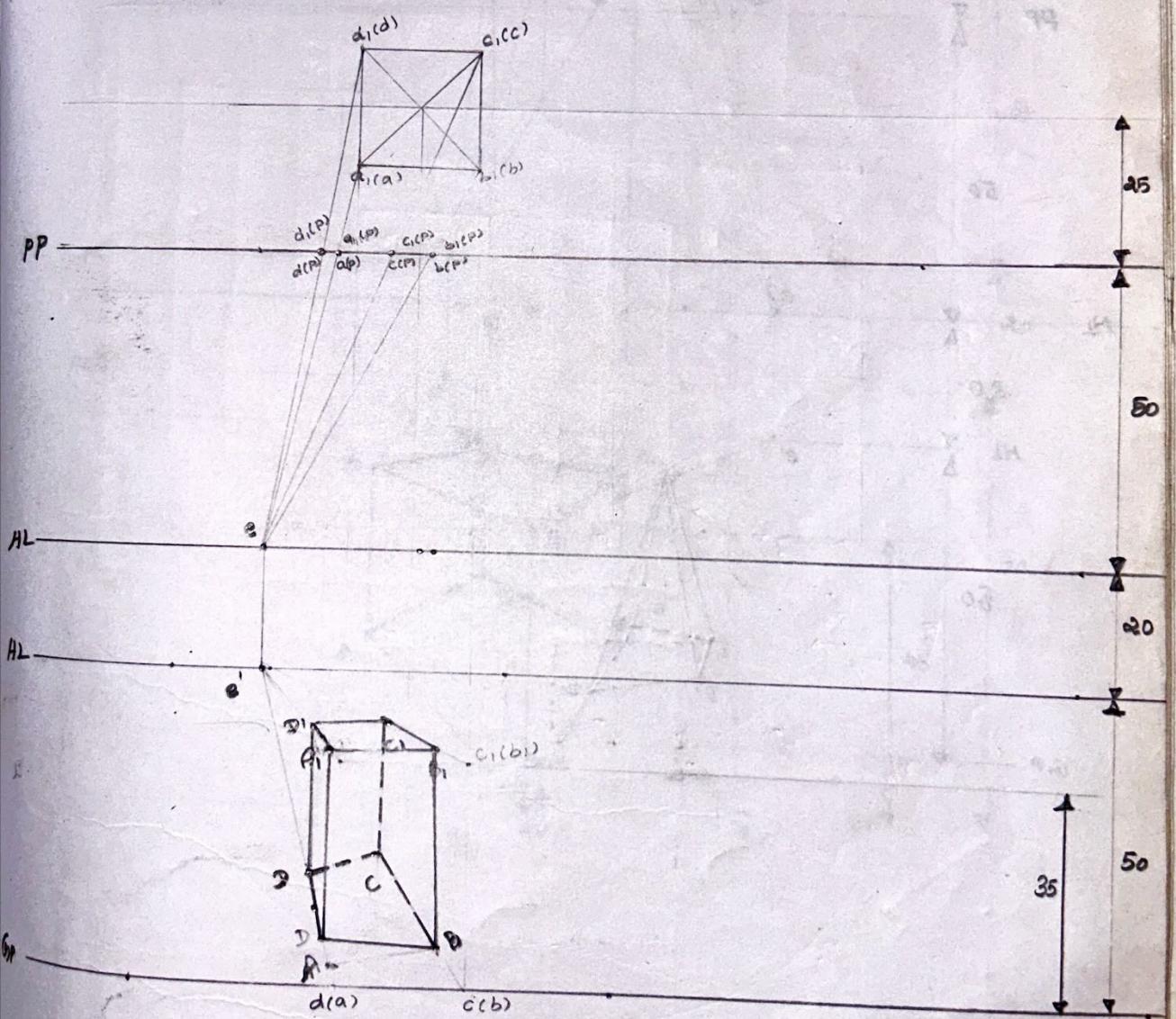
Indent = 50

Aperox = 20

Ab Grp = 50.

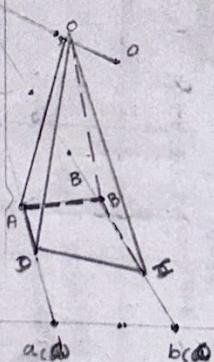
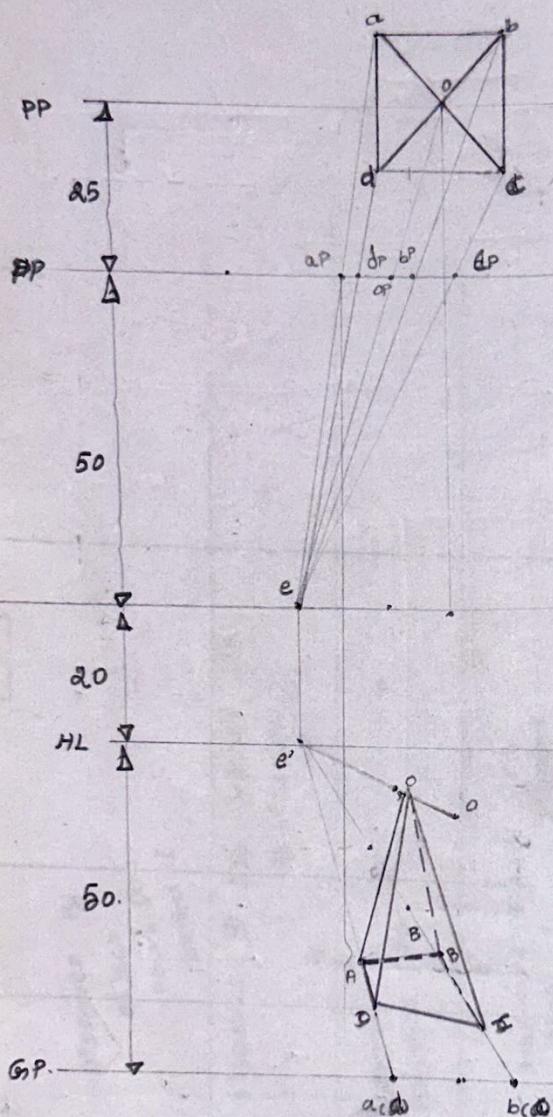
Position

The axis of prism is 25 $\frac{1}{2}$ mm
of eye.

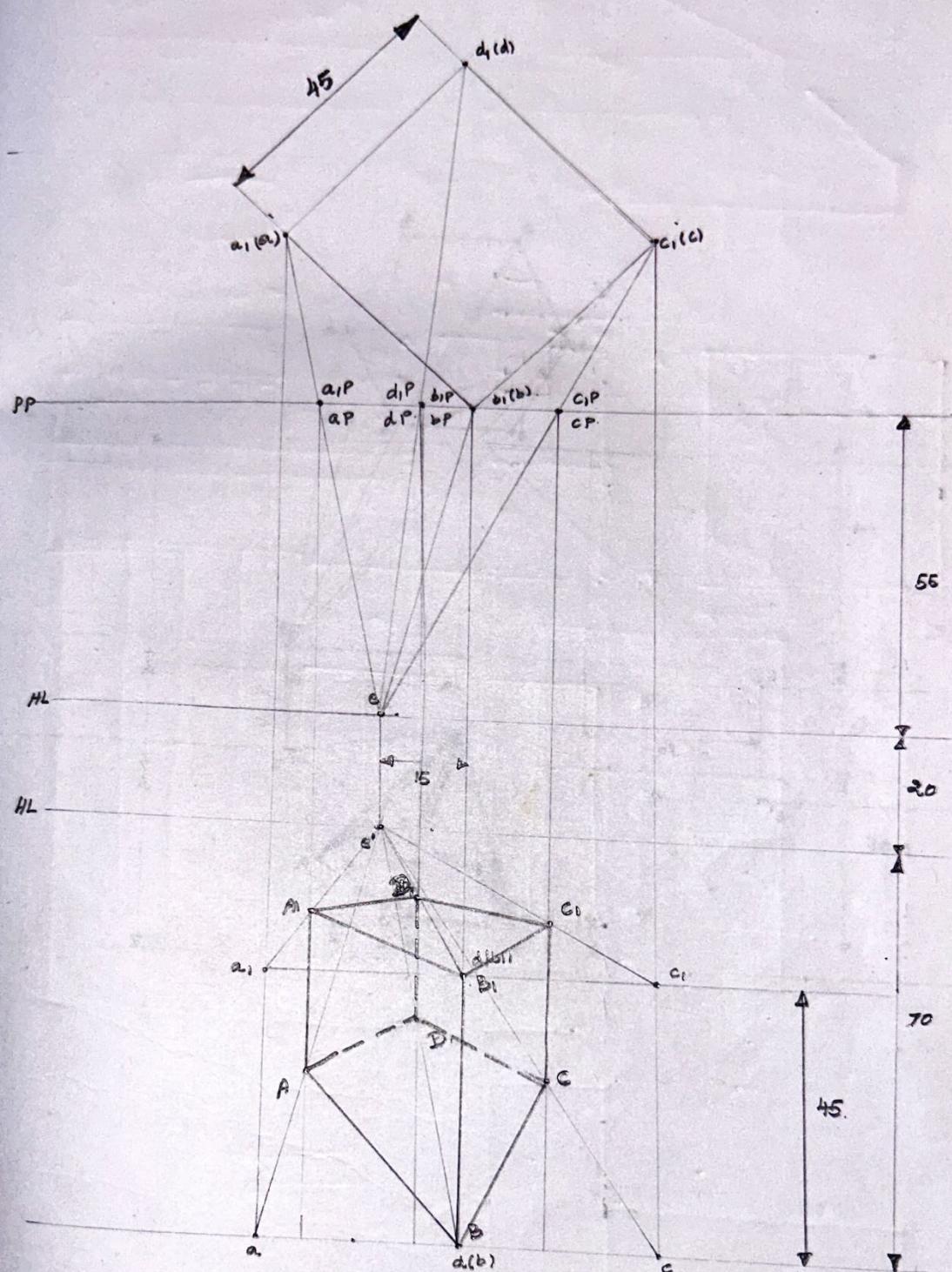


A square pyramid of base edge 20mm and altitude 35mm is placed on its base on the ground. Base edges are 116 to the PP. The axis of the pyramid is 25mm behind the PP and 25mm in front of the eye. The eye is 50mm in front of the PP and 50mm above the ground. Draw the PV.

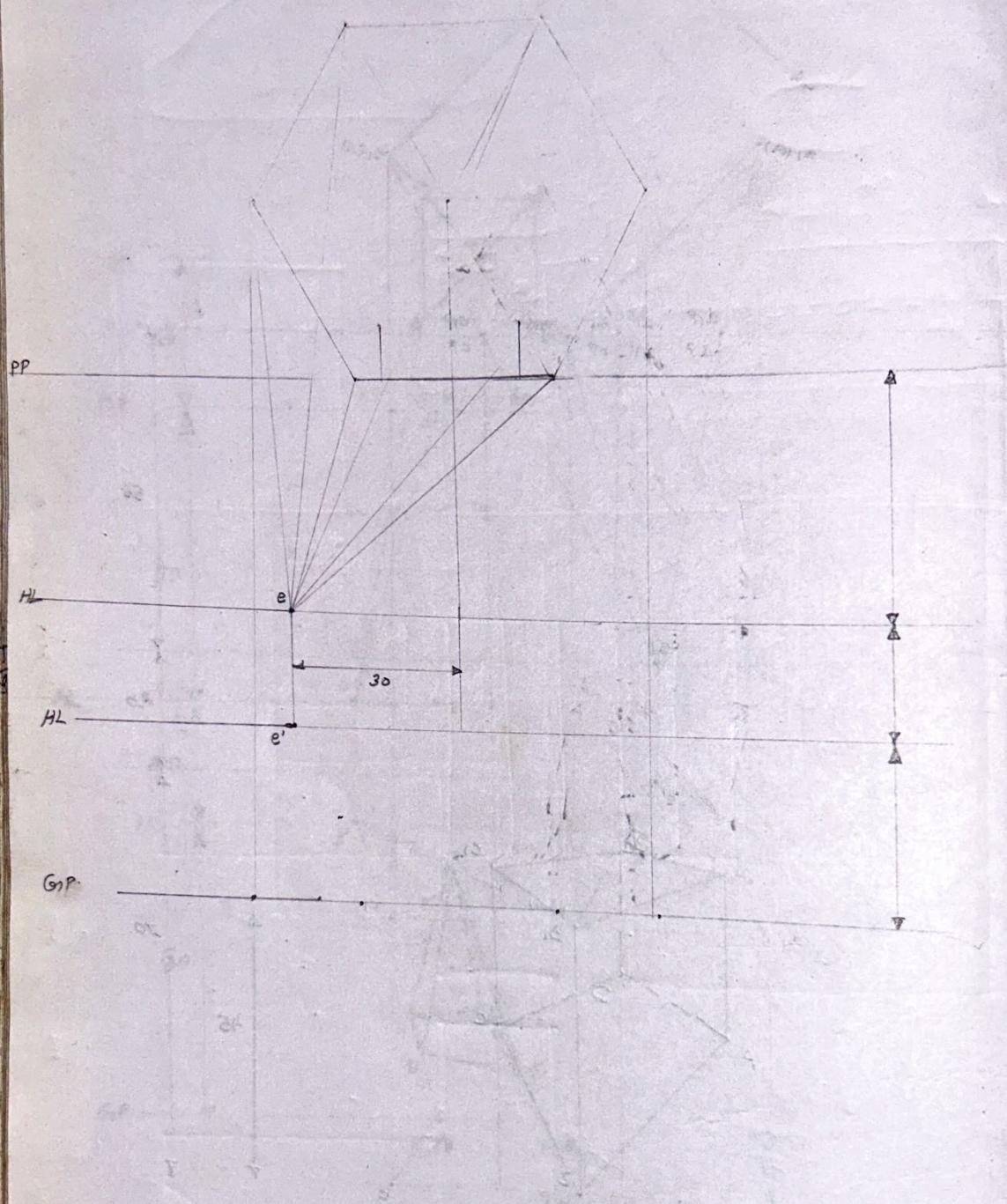
Square pyramid

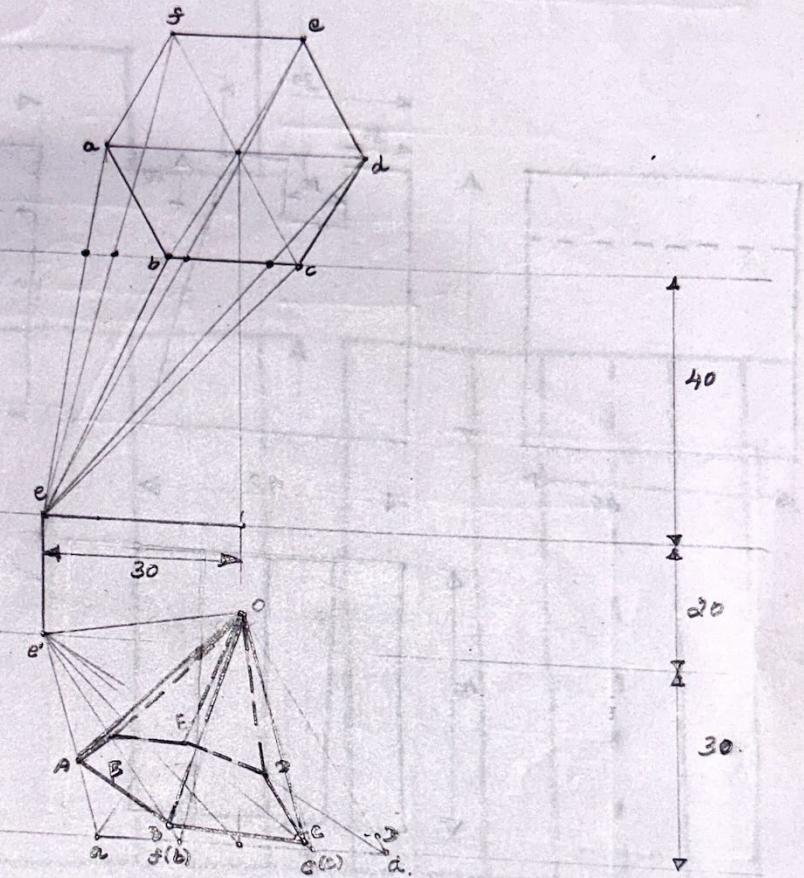


A cube of side 45mm rests on the ground on its base with all the vertical edges equally inclined to H.P. One vertical edge is touching the P.P. and 15mm to the right of the station point which is 70mm above the ground and 55mm in front of P.P. Draw the perspective view of the cube.



A regular hexagonal pyramid of base edge 20mm and height 30mm is resting on a ground plane with one of the base edges touching the pitchces plane. A station point is 30mm above the ground and 40mm in front of P.P. The central plane is 30mm to the right of the axis. Draw the perspective projection by a pyramid by visual ray method.





Orthographic projections

Example: 6: (95) Pg:

