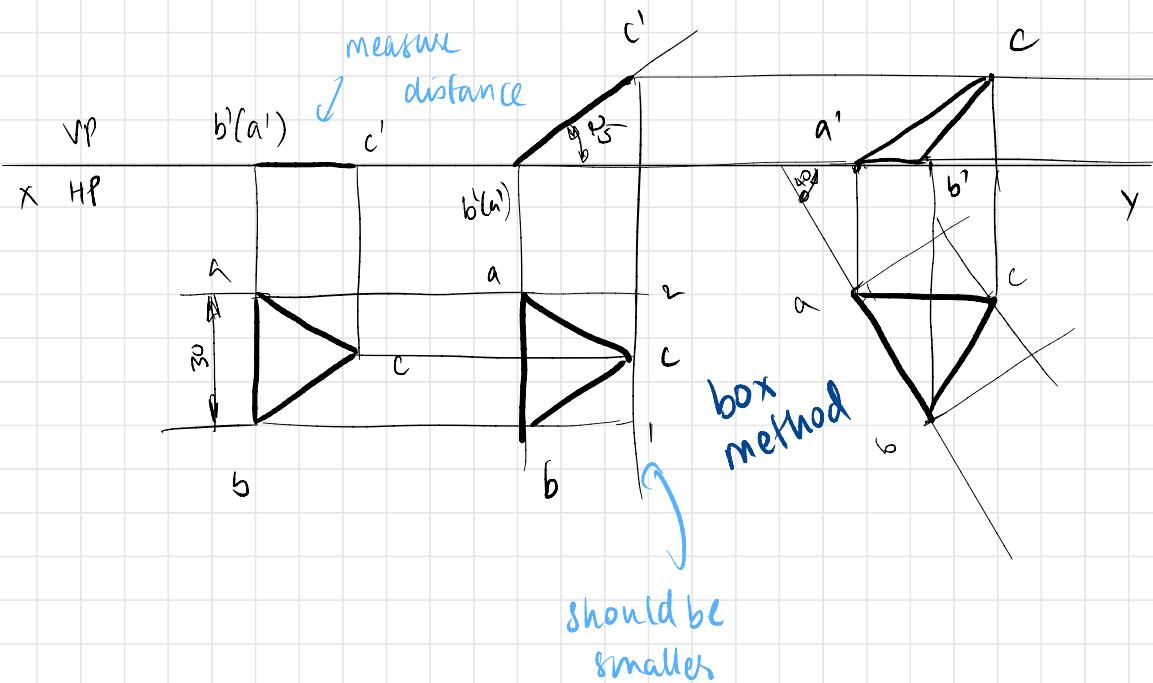
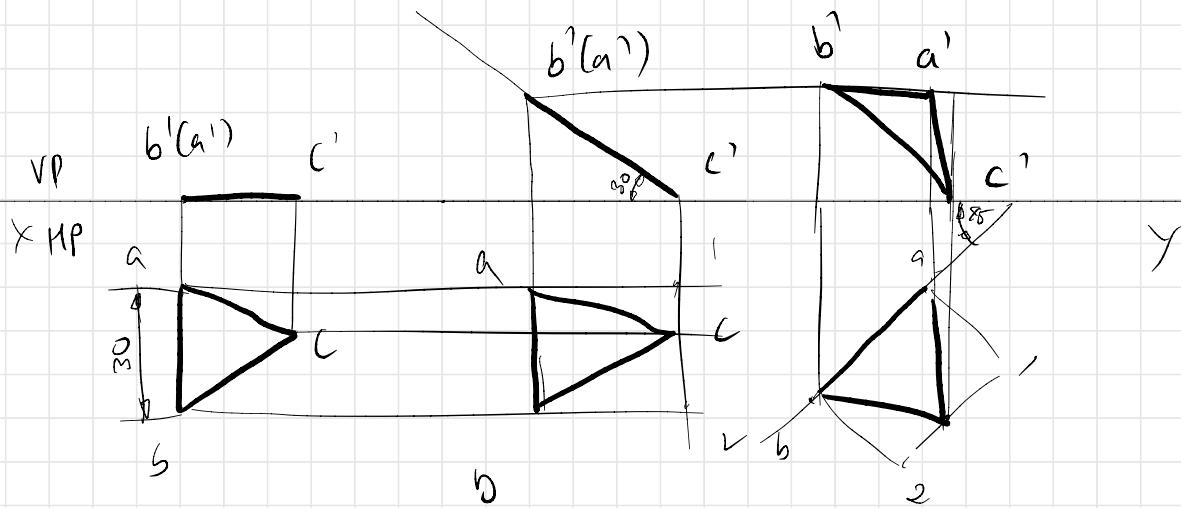


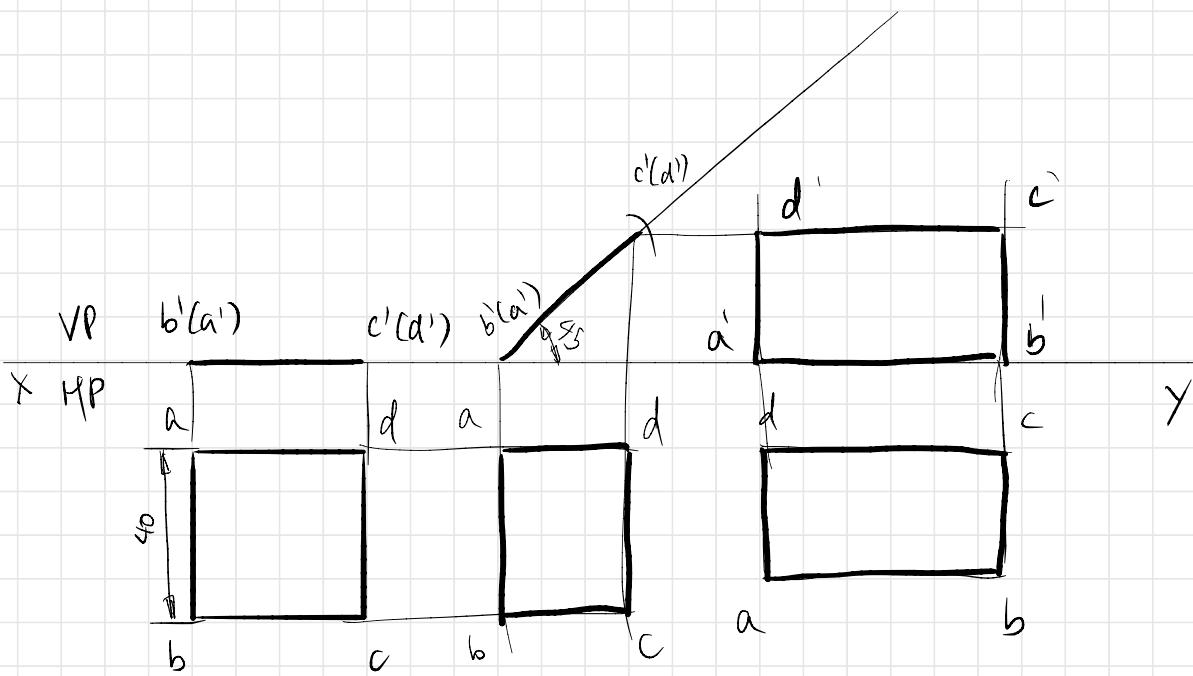
Q1. A regular triangular lamina of sides 30 mm rests with one of its edges on HP with its plane surface inclined at  $25^\circ$  to HP. The edge on which it rests is inclined at  $40^\circ$  to VP. Draw its front and top views.



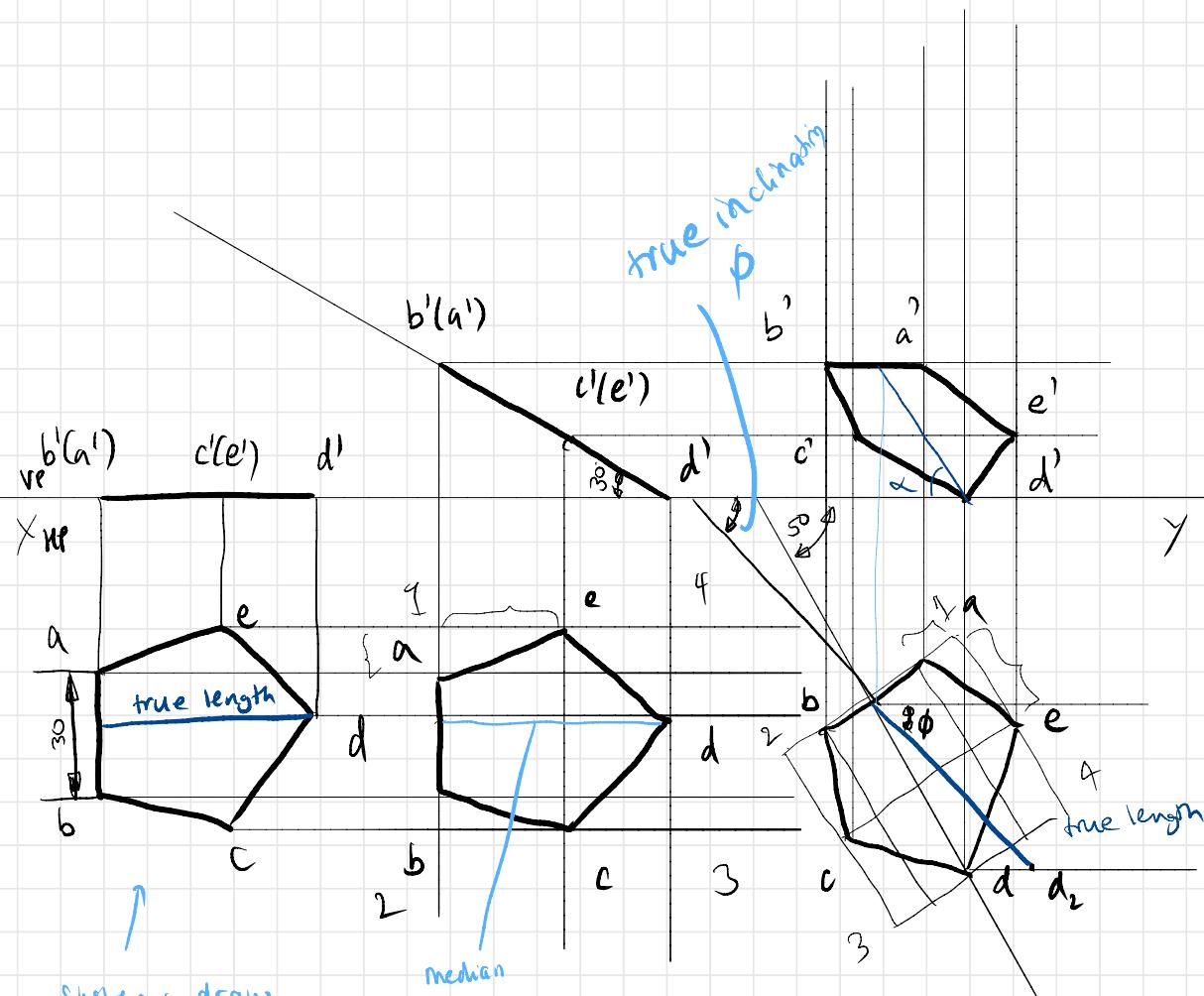
Q2 A regular triangular lamina 30 mm sides of base is resting on one of its corners such that the surface of the lamina is inclined at  $30^\circ$  to HP and the edge opposite to the corner on which it is resting is inclined at  $45^\circ$  to VP. Draw its projections.



Q3. Draw front and top views of a square lamina of sides 40mm resting with an edge on HP with its surface inclined at  $45^\circ$  to HP. The edge on which the lamina rests is parallel to both HP and VP.



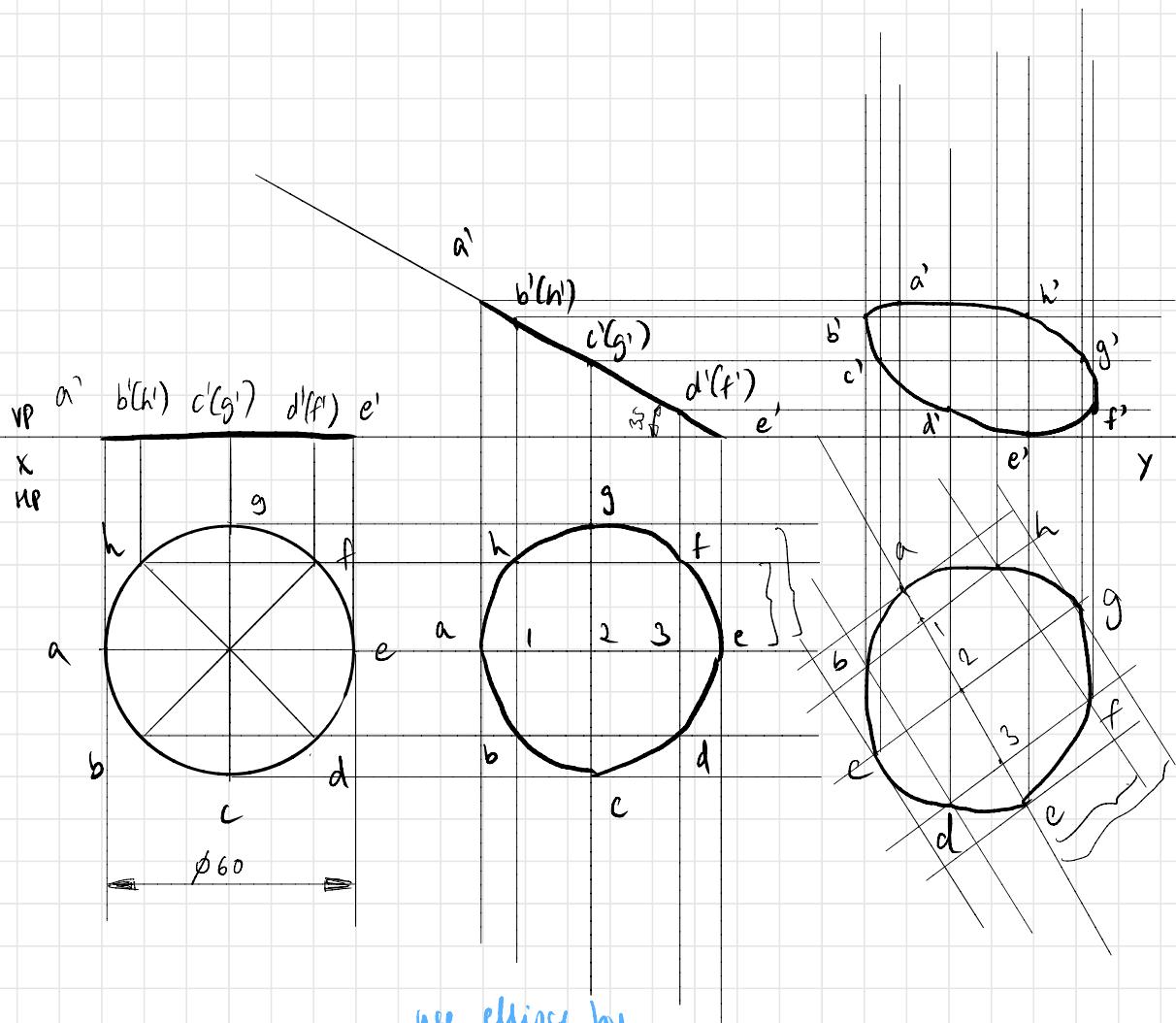
Qn. A regular pentagonal lamina of 30mm sides rests with one of its corners on HP such that the two edges passing through the corner make equal inclinations with HP. The surface of the lamina is inclined at 30° to HP and the median passing through the corner on which the lamina rests appears to be inclined at 50° to VP. Draw its front and top views. Obtain its final position. Also determine true inclination of the median with VP.



System: draw horizontal y then rotate

Q5. Draw front & top views of circular lamina of diameter 60mm resting with a point of its circumference on HP and its surface is inclined at  $35^\circ$  to HP. The diameter passing through the point on which the lamina rests appears to be inclined at  $45^\circ$  to VP. Also determine the true inclination of diameter with VP.

divide circle into 8 parts



use ellipse by  
centre OR  
curve option