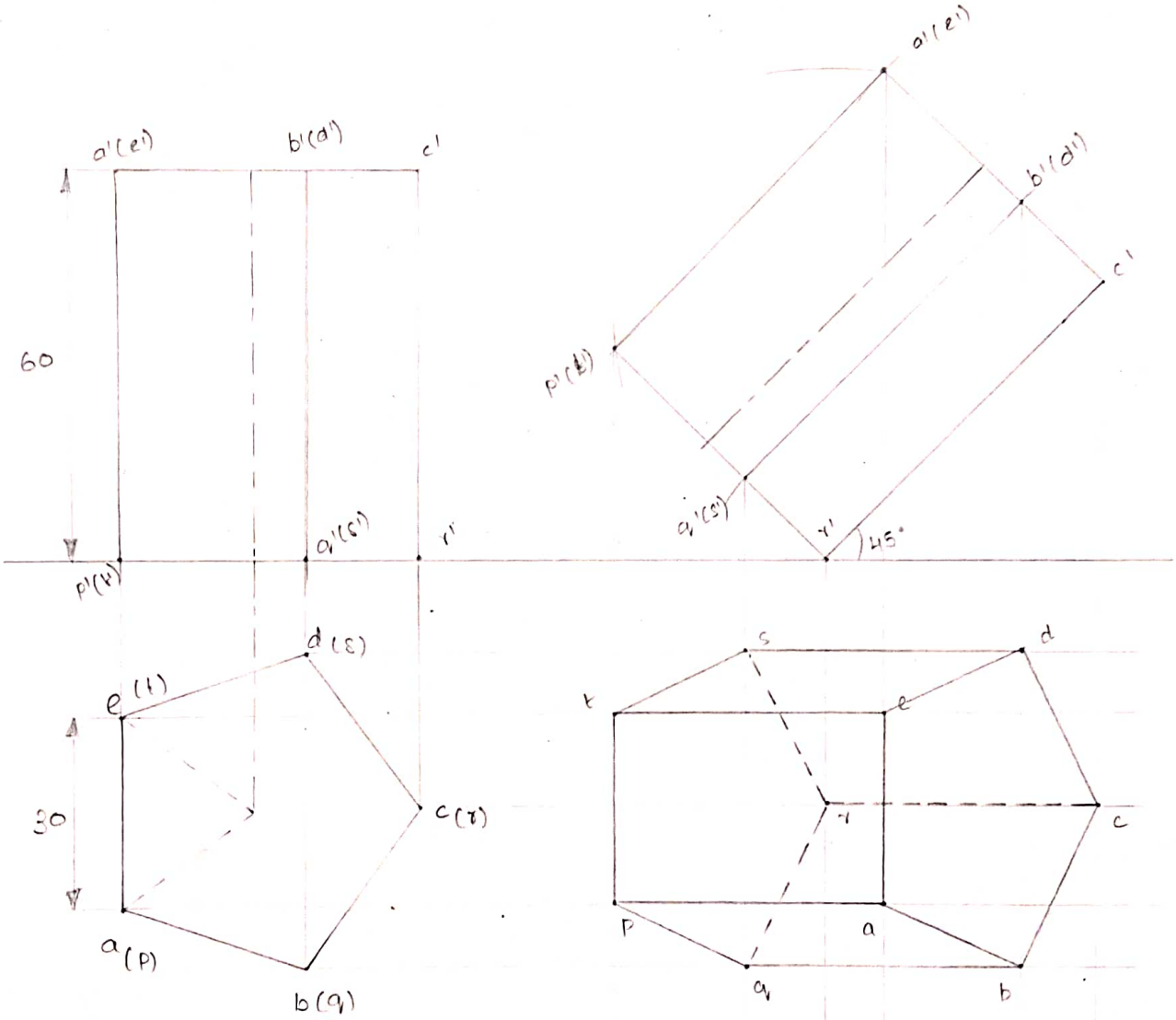
ASSIGNMENT - V

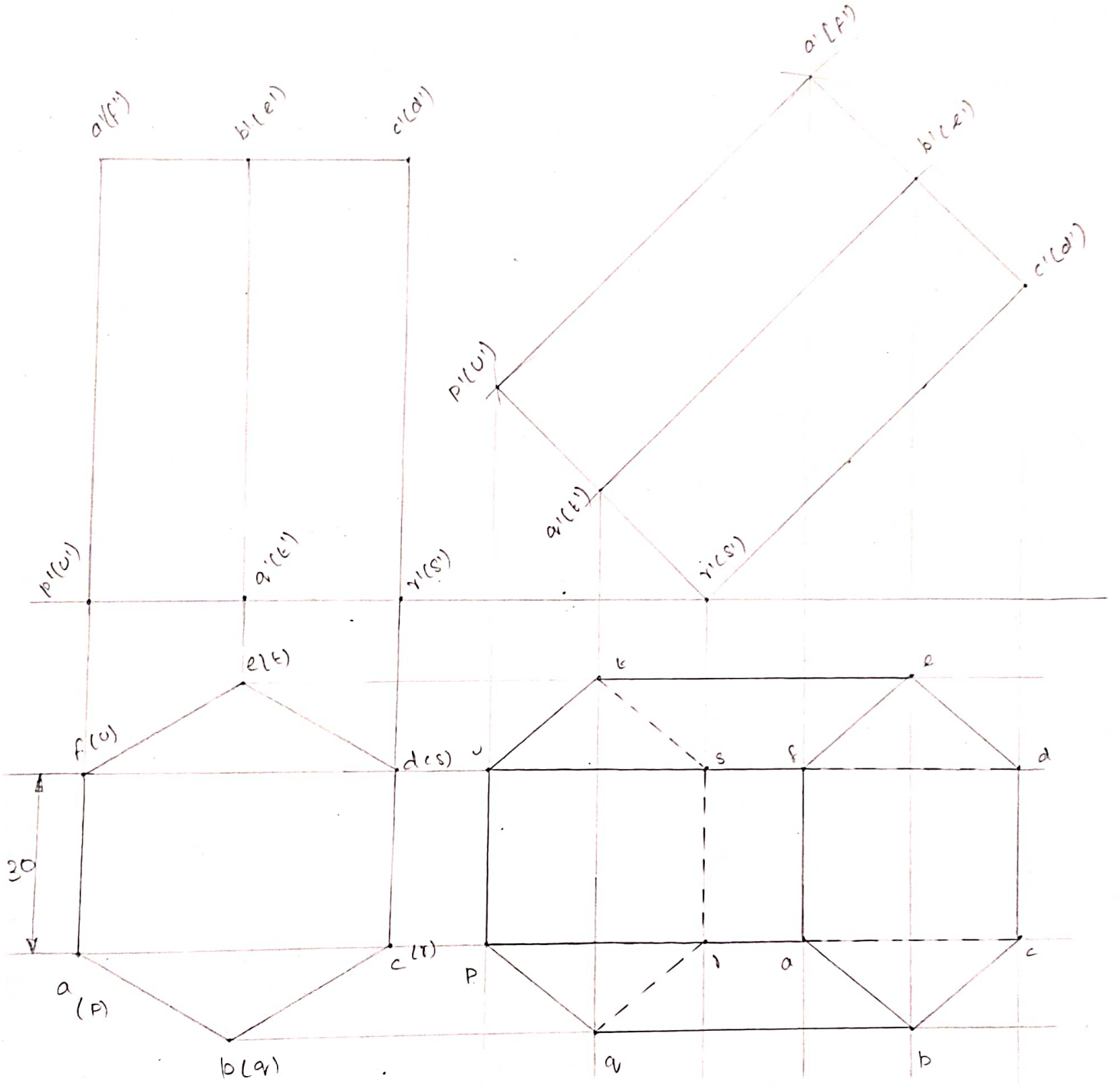
PRISM AND CYLINDER — PROJECTIONS OF SOLIDS

1. A regular pentagonal prism of base 30mm and altitude 60mm is resting on HP with one of its base corner such that the longer edge containing the resting corner is 45° to HP. Draw the projection.



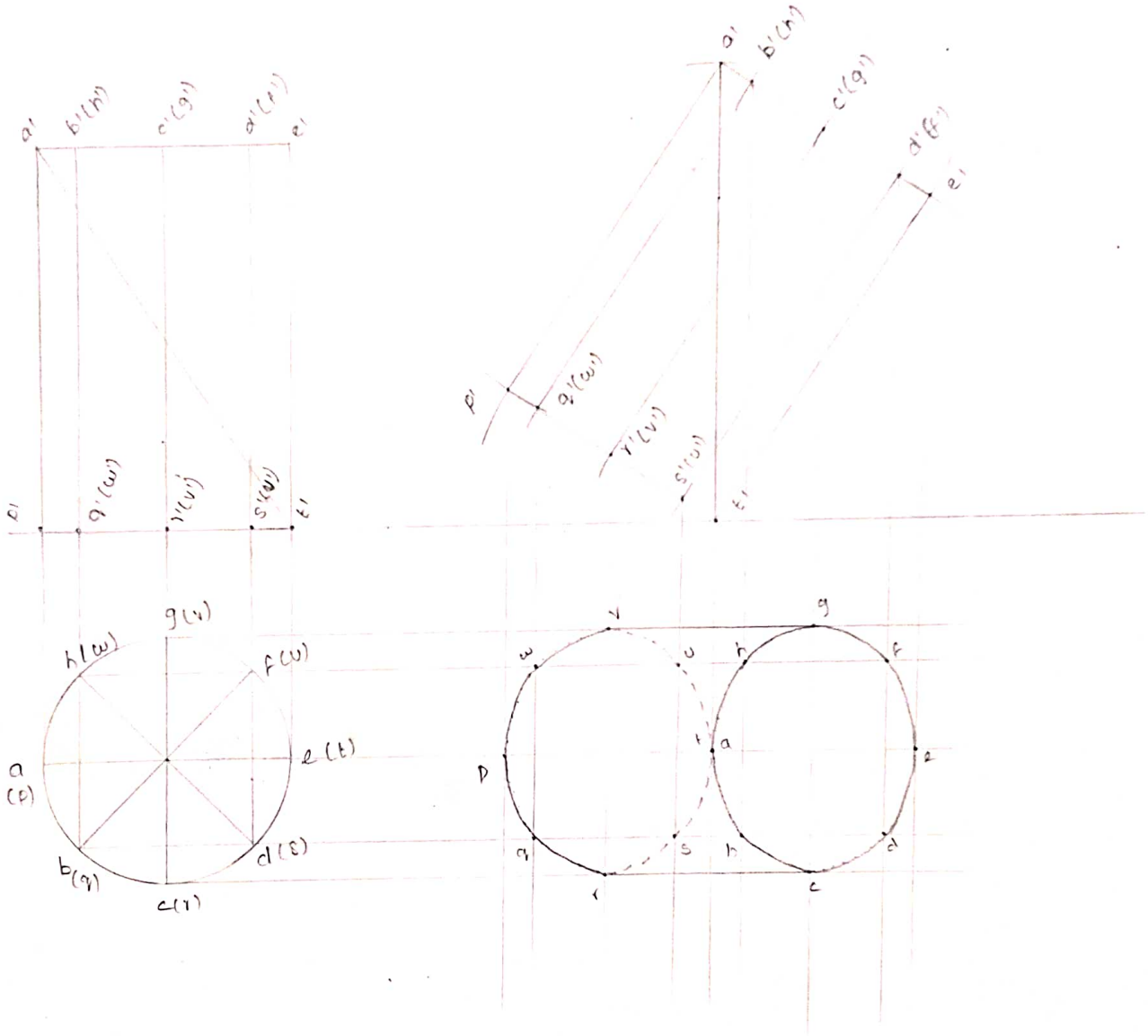
All the dimension are in mm

2. A Hexagonal prism having a base with a 30mm side and 75mm long axis, has an edge of its base on the HP. Its axis is parallel to the VP and inclined at 45° to the Hp. Draw its projection



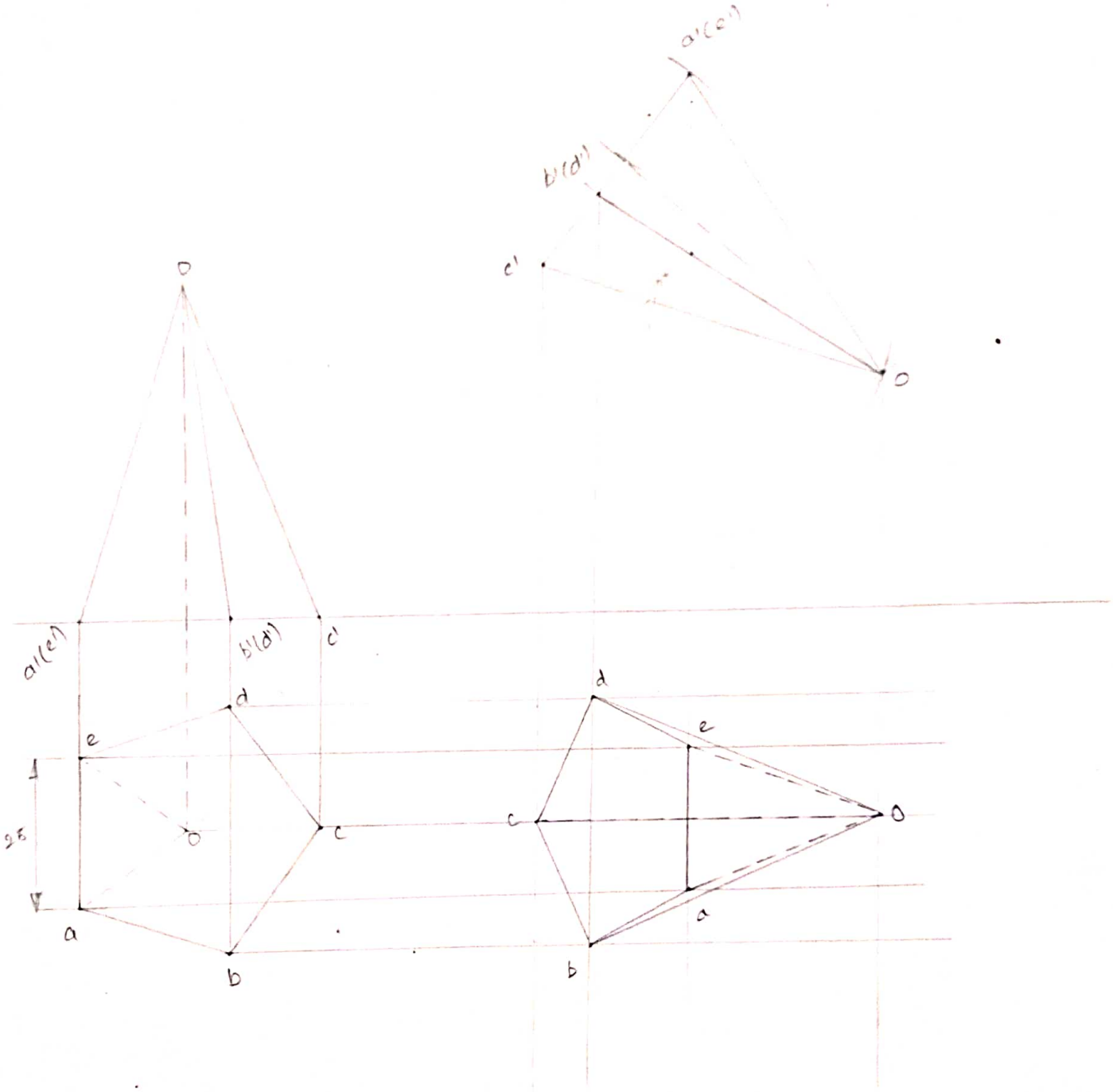
All the dimension are in mm

3. A cylinder of diameter 40mm, height 60mm is resting on the gound on its base. It is then tilted such that a solid diagonal is vertical. Draw the projection.



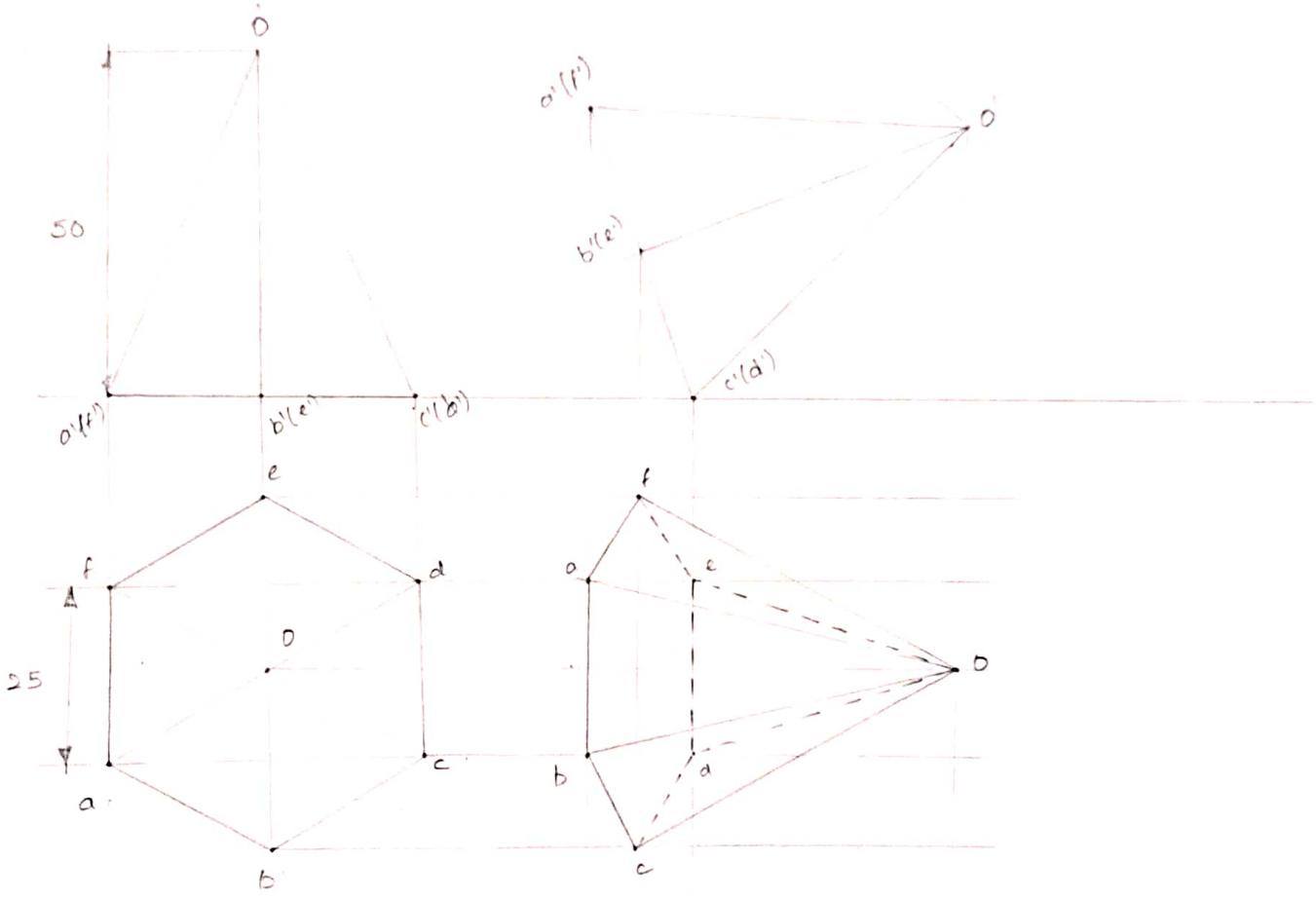
All the dimension are in mm

4. A pentagonal pyramid of base 25mm and axis 55mm long is freely suspended from corner of the base. Draw the projection.



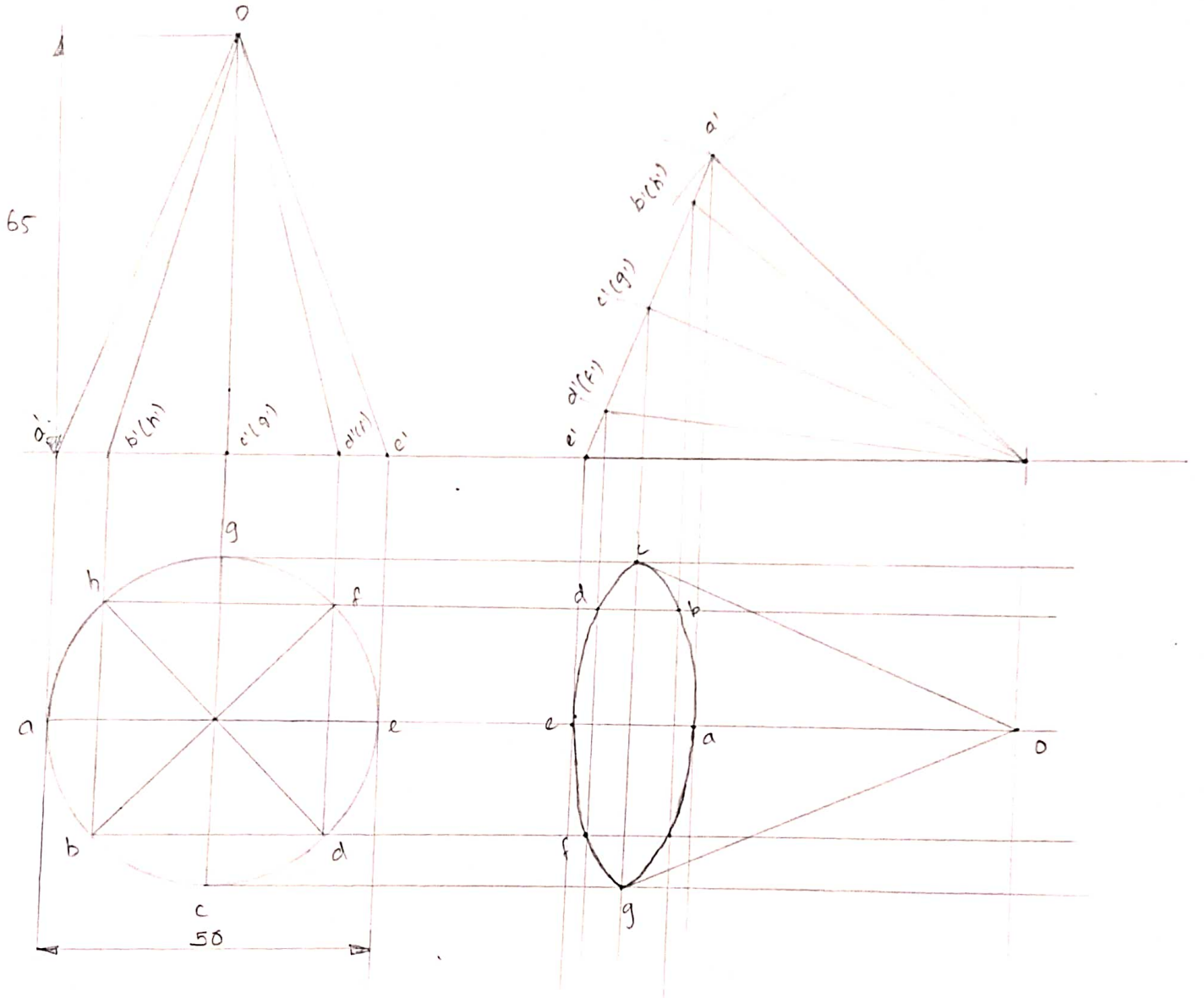
All the dimension are in mm

5. A right regular hexagonal pyramid, edge of base 25mm and height 50mm, rests on one of its base edges on HP with its axis parallel to VP. Draw the projections of the pyramid when its base makes an angle 45° to the HP.



All the dimension are in mm

6. A cone, diameter of base 50mm and axis 65mm long is lying on the HP on one of its generators with the axis parallel to the VP. Draw its front view and top view.



All the dimension are in mm