1. Reproduce the drawing in FreeCAD

A drawing of a triangular shape

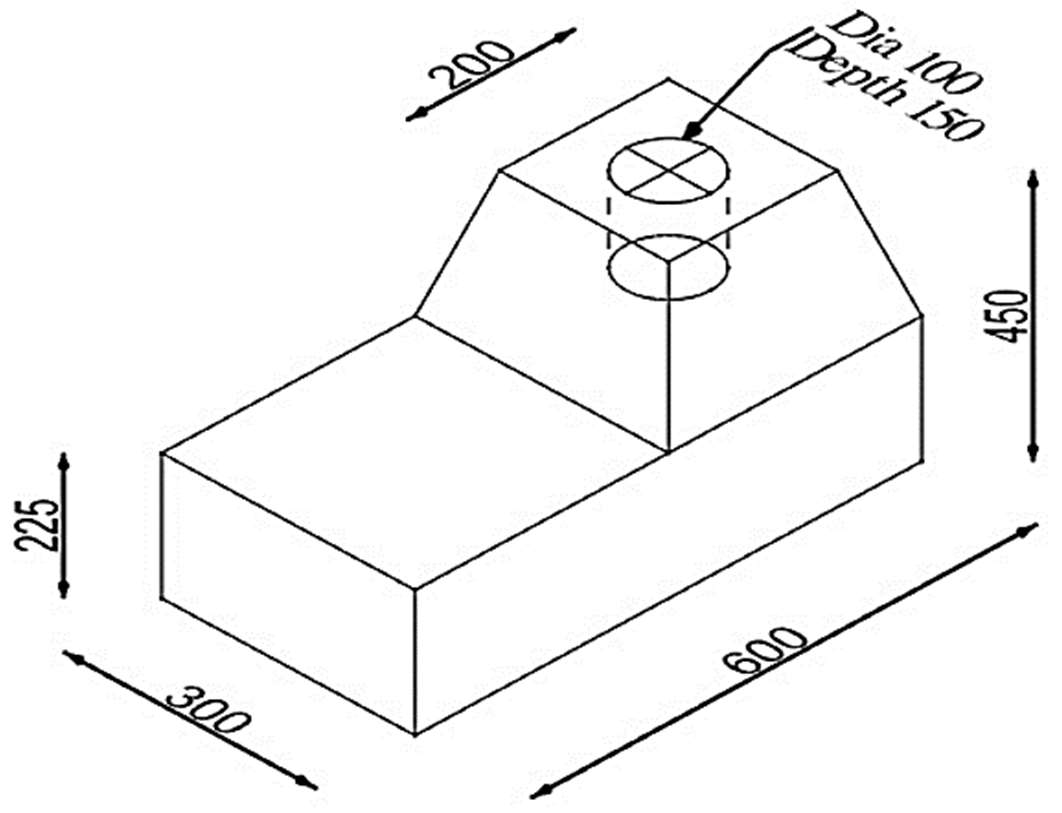
AI-generated content may be incorrect.

1. Reproduce the drawing in FreeCAD

A drawing of a gear with numbers and symbols

AI-generated content may be incorrect.

1. Draw an ellipse with major and minor axes equal to 120 mm and 80 mm, respectively, using the concentric circle method.
2. Draw an ellipse with major and minor axes equal to 120 mm and 80 mm, respectively, using the rectangle method.
3. A cone of base 40 mm diameter and axis 50 mm long touches VP on a point in its base circle. Its axis is inclined at 30° to VP and parallel to HP. Draw its projections
4. A hexagonal pyramid, with a side of a base of 25 mm and an axis of 50 mm long, rests with its base on HP, and an edge of its base is perpendicular to VP. It is cut by a section plane perpendicular to VP, inclined at 30° to HP, and passing through a point on the axis 20 mm below the apex. Draw the sectional top view and the true shape of the section
5. A cylinder of diameter 40 mm and height 50 mm is resting vertically on one of its ends on HP. It is cut by a plane perpendicular to VP and inclined at 30° to HP. The plane meets the axis at a point 30 mm from the base. Draw the development of the lateral surface of the lower portion of the truncated cylinder
6. A cylinder of 60 mm diameter and axis 80 mm long is standing vertically on its base on HP. It is pierced by a square prism of 30 mm side and 100 mm length, the axis of which is parallel to both the reference planes and the faces equally inclined to HP. The axes of the solids intersect at right angles. The height of the axis of the prism above HP is 40 mm. Draw the projections of the solids, showing the curves of the intersection in the front view.
7. Draw the isometric view of an object as shown



1. Draw orthographic views (Front view, Top view and Right side view) from an isometric view of the object as shown.

