Guide to:
Plans and elevations

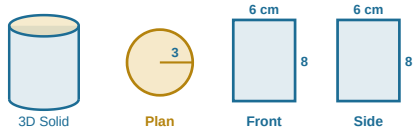
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Explanation:

Plans and elevations are flat 2D projections of a 3D solid drawn on centimetre grid paper: • **Plan view:** looking straight down from **directly above** (bird's-eye view). • **Front elevation:** looking straight at the **front**. • **Side elevation:** looking straight from the **left or right side**.

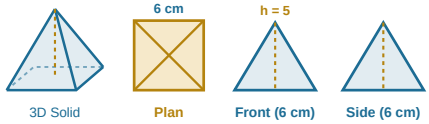
Sloping faces appear as flat rectangles when viewed from above or from the front. Any change in height or step on a visible face must be shown with a **solid line**.

Example 1: Draw the **plan**, **front**, and **side** views of a cylinder with radius **3 cm** (d = 6 cm) and height **8 cm**.



Plan: circle (r = 3 cm); **Front & Side:** 6 cm × 8 cm rectangles.

Example 2: Draw the **plan**, **front**, and **side** views of a square-based pyramid (base **6 cm × 6 cm**, height **5 cm**).



Plan: 6×6 square with diagonals; **Front & Side:** triangles (base 6, h = 5).

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