

Geometry - 3D Shapes

Grade 10 | Difficulty: Hard

1. Find the volume of a cylinder with radius 4 cm and height 10 cm.
2. Determine the surface area of a sphere with a diameter of 12 cm.
3. Prove that a cube's diagonal length is given by $s\sqrt{3}$.
4. Find the lateral surface area of a cone with radius 5 cm and slant height 13 cm.
5. Calculate the volume of a prism with a triangular base of 6 cm height and 4 cm base.