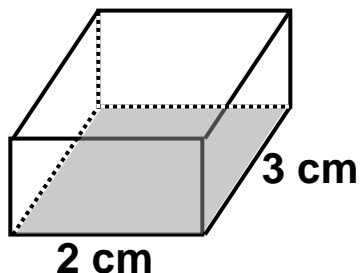


TOPIC 16-6: MORE PRISMS & CYLINDERS

EXAMPLE 1: The Volume of the rectangular prism is 24 cm^3 . Find its height, Lateral Area, and Total Area (use the shaded face as your base).



$$h = \underline{\hspace{2cm}}$$

$$LA = \underline{\hspace{2cm}}$$

$$TA = \underline{\hspace{2cm}}$$

EXAMPLE 2: The base of a triangular prism is an isosceles right triangle with legs of 3 cm. The height of the prism is 10 cm. Find its Lateral Area, Total Area, and Volume.

$$LA = \underline{\hspace{2cm}}$$

$$TA = \underline{\hspace{2cm}}$$

$$V = \underline{\hspace{2cm}}$$

EXAMPLE 3: A cylinder has a total surface area of 36π m². If the diameter is 4 m, what is the height?