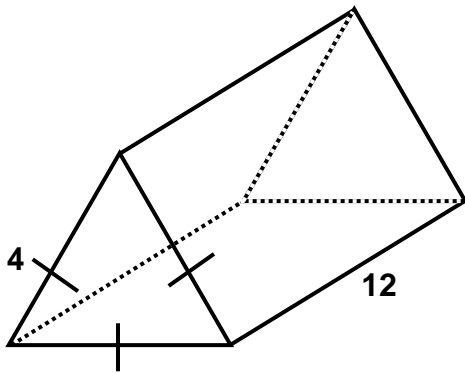


## TOPIC 13-5: MORE PRISMS & CYLINDERS

**EXAMPLE 1:** Name the prism below, then find its Lateral Area, Total Area, and Volume.



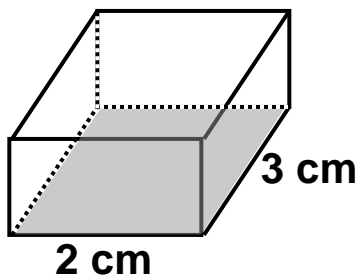
Name: \_\_\_\_\_

LA = \_\_\_\_\_

TA = \_\_\_\_\_

V = \_\_\_\_\_

**EXAMPLE 2:** The Volume of the rectangular prism is  $24 \text{ cm}^3$ . Find its height, Lateral Area, and Total Area (use the shaded face as your base).



$h =$  \_\_\_\_\_

LA = \_\_\_\_\_

TA = \_\_\_\_\_

**EXAMPLE 3:** A cylinder has a radius of 3 inches and a height of 9 inches. Find the lateral area, total area, and volume.

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

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

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

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**EXAMPLE 4:** A cylinder has a total surface area of  $36\pi$  m<sup>2</sup>. If the diameter is 4 m, what is the height?