

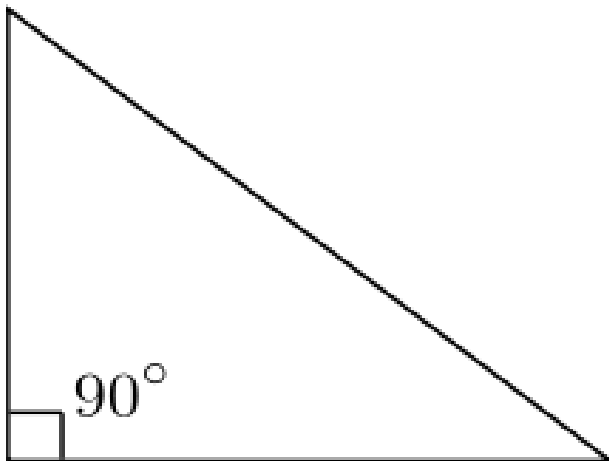
Mastery Day Area and Volume Name:

Solve at least THREE questions that show your present level of knowledge for this unit.
Clearly show your steps and solution.

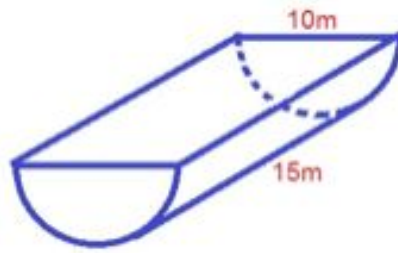
1. What is the area of this shape? Show/Prove you are correct in at least TWO ways.



2. If the area of this triangle is 12cm^2 , what are the measurements of its side lengths?

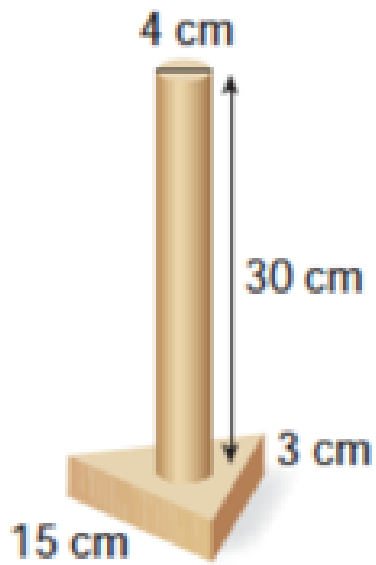


3. What is the volume of this shape?



4.

The base is an equilateral triangle. What is the total surface area to be painted?



Do not paint the base.

5. In the space below, create your own area or volume question and solve or solve the following question.

A marshmallow has the shape of a cylinder with a diameter of 5 and a height of 3.
A dessert is made with 24 marshmallows: 2 stacked 3x4 arrays placed on a tray.
Chocolate exactly fills the gaps between marshmallows.
What is the volume of the chocolate?

