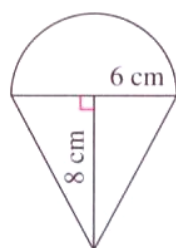


1. Find the perimeter and the area of the following figures. Leave answers as exact values.
If there is a shaded region, find the perimeter and area of the shaded region only.

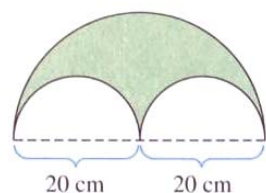
a. Perimeter = _____

Area = _____



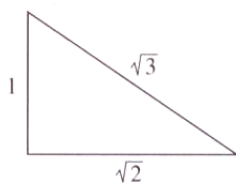
b. Perimeter = _____

Area = _____

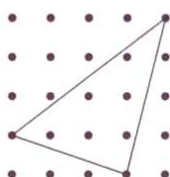


2. Determine whether each of the following is a right triangle.
Show your work and state how you know.

a.

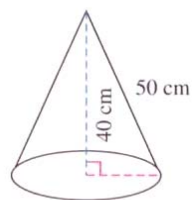


b.



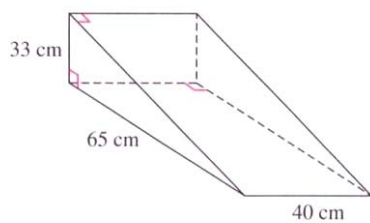
3. Find the volume of each of the following.

a. _____



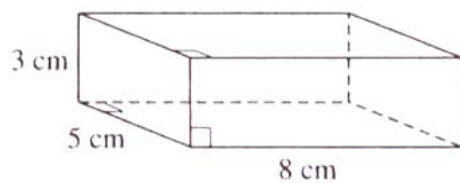
a. Right circular cone

b. _____



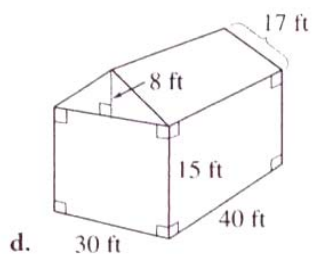
b. Right triangular prism

c. _____



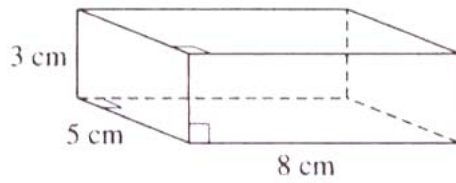
c. Right rectangular prism

d. _____



d.

4. Draw a net that would produce this box. Then find the total surface area of this box.

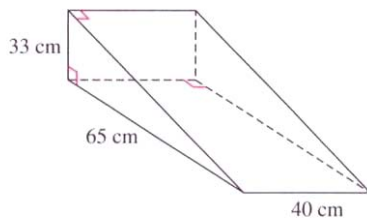


. Right rectangular prism

NET

Total surface Area of box = _____

5. Draw a net that would produce this ramp. Then find the total surface area for this ramp.
DO NOT include the bottom the ramp in either the net or the total surface area. This ramp is hollow and does not have a bottom. It just sits on the ground.



Right triangular prism

NET

Total Surface Area of ramp = _____

6 . Draw a net that would produce this barn-shape and then find the total surface area of this barn.

The barn is made of wood and has a wooden floor, so include the floor in the net and in the surface area.

NET

