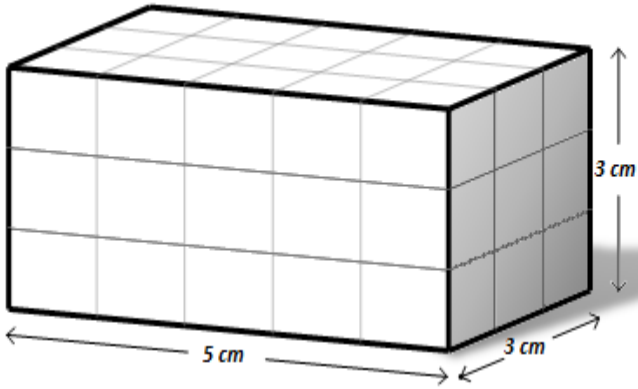
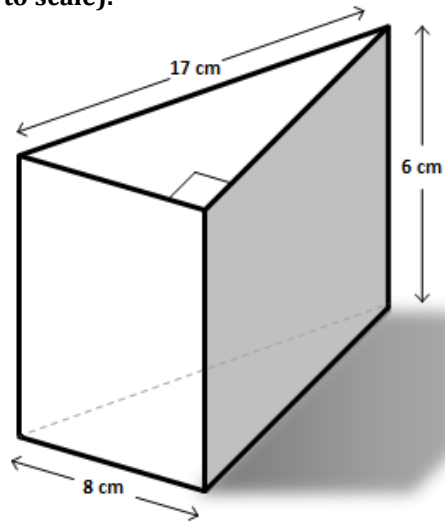


Sec 5.2 – Circles & Volume
Volume of Pyramids & Cones Name: _____

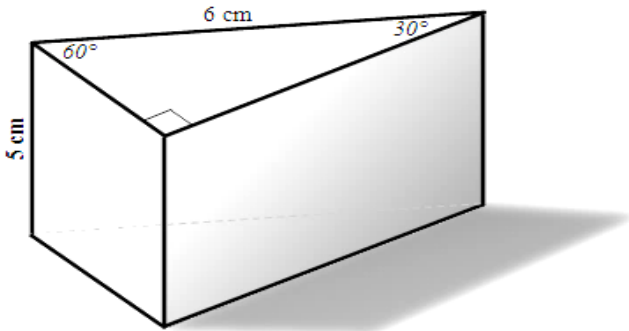
1. Find the Volume of the following solids (figures may not be drawn to scale).



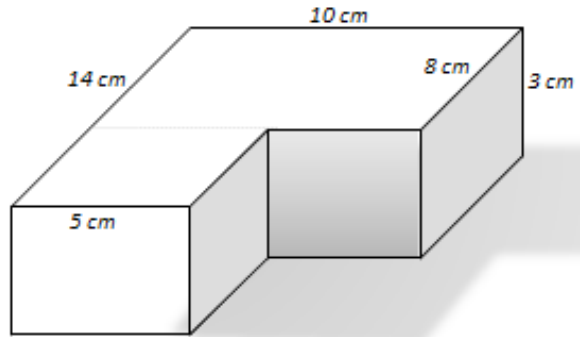
Volume: _____



Volume: _____

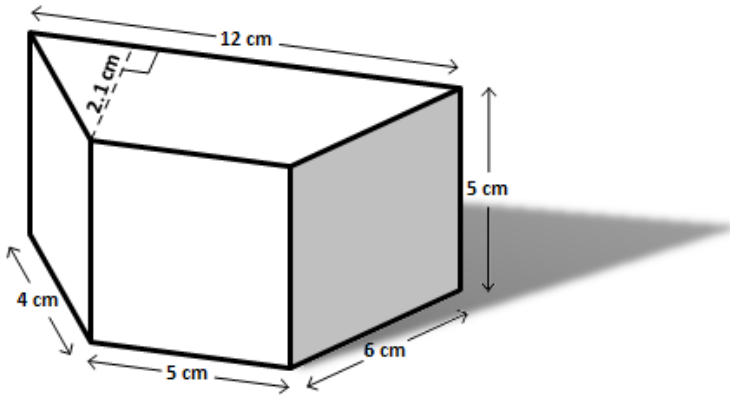


Volume: _____

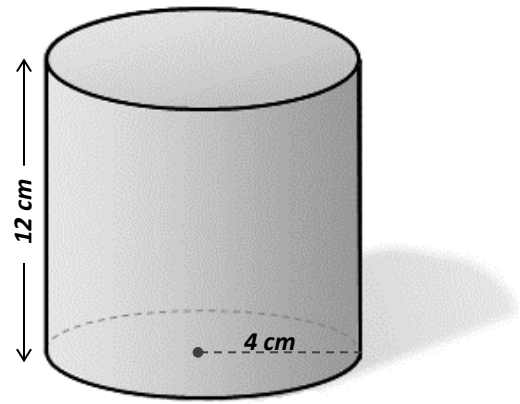


Volume: _____

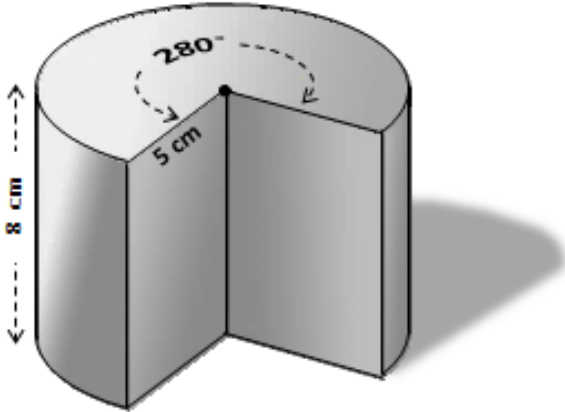
2. Find the Volume of the following solids (figures may not be drawn to scale).



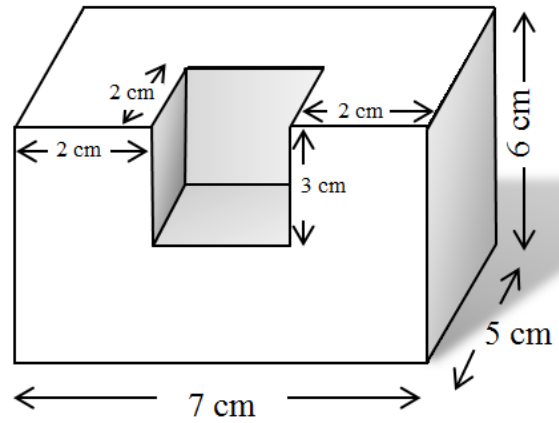
Volume:



Volume:



Volume:



Volume:

3. Find the volume of the following solids (figures may not be drawn to scale).

Using a micrometer find the volume of 6 pennies stacked directly on top of each other (which is a cylinder). Show measurements to the nearest hundredth of a millimeter.



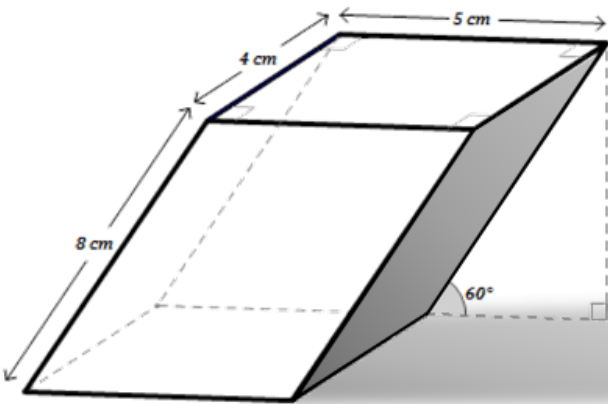
Volume:

Using a micrometer find the volume of 6 pennies stacked on top of each other but so that they are slanted. Show measurements to the nearest hundredth of a millimeter.



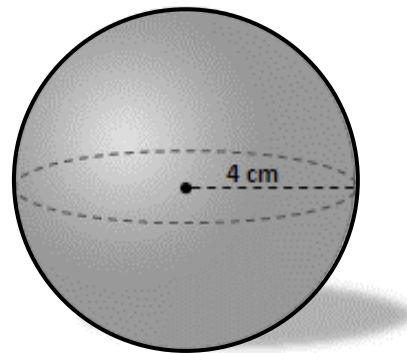
Volume:

Find volume of the oblique rectangular prism.



Volume:

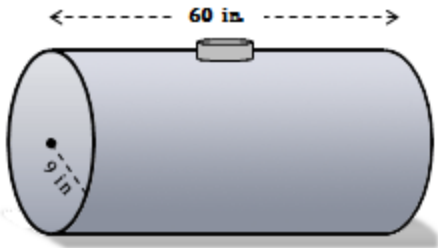
Find volume of the sphere.



Volume:

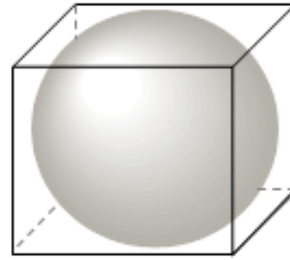
4. Find the volume of the following solids (figures may not be drawn to scale).

The solid below shows a gas tank for a tractor trailer truck. It is in the shape of a cylinder with a radius of 9 inches and a height of 60 inches. How many gallons of fuel will it hold if there are 231 cubic inches in one gallon?



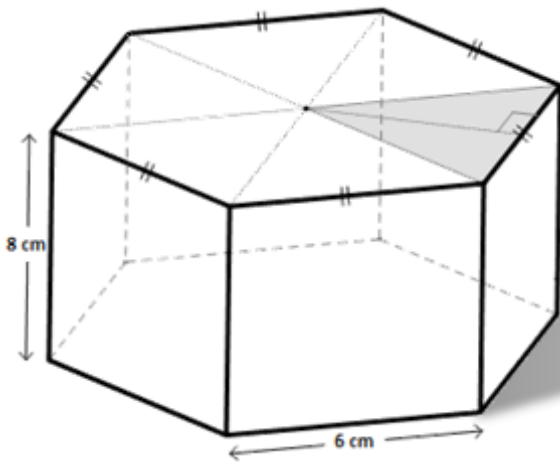
Gallons:

A sphere is inscribed in a cube with a volume of 27 cm^3 . What is the volume of the sphere?



Volume:

Find volume of the regular hexagonal prism.



Volume:

A snowman is created from two spherical snow balls. Given the circumference of each sphere determine the volume of the snowman.



Volume: