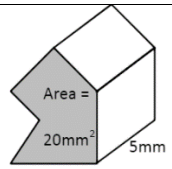
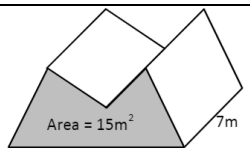
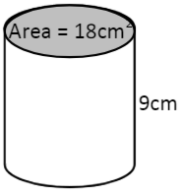
Name:_____ Date:_____

Math 8 Chapter 9 Review: Volumes of Prisms

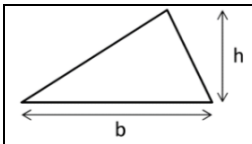
1. Find the volume of each of the following Prisms. Show your work with the space provided:





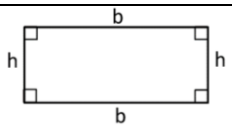


2. Name each shape and write the formula for the area of the shape:



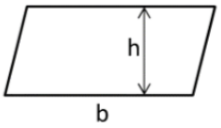
Name of Shape

Formula for Area:



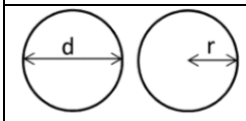
Name of Shape

Formula for Area:



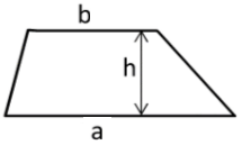
Name of Shape

Formula for Area:



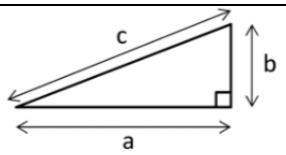
Name of Shape

Formula for Area:



Name of Shape

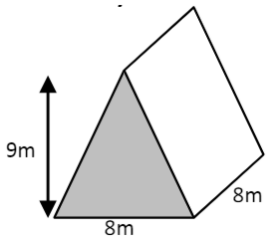
Formula for Area:



Name of Shape

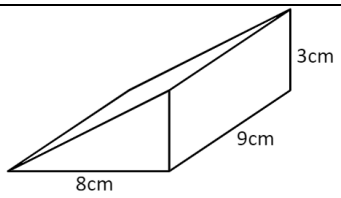
Formula for Area:

3. Calculate the volume of each prism by first calculating the area of the base. Show all your work with the space provided:



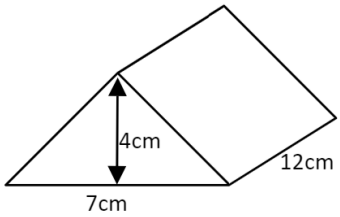
Area of the Base =

Vol=



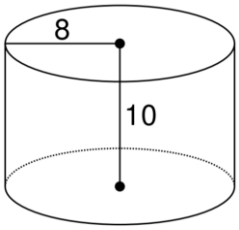
Area of the Base =

Vol=



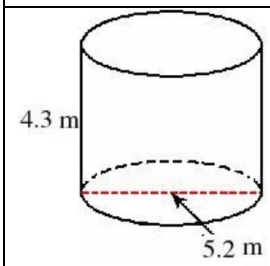
Area of the Base =

Vol=



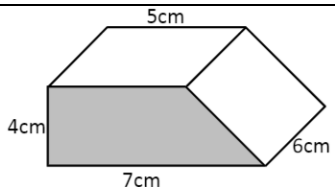
Area of the Base =

Vol=



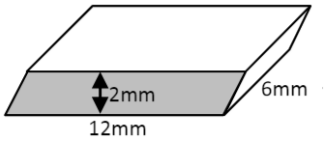
Area of the Base =

Vol=



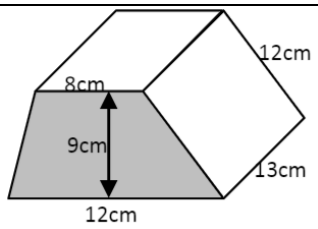
Area of the Base =

Vol=



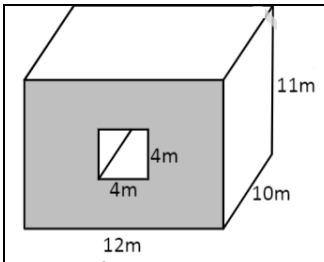
Area of the Base =

Vol=



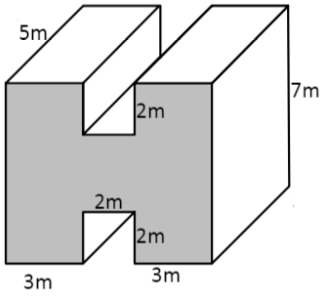
Area of the Base =

Vol=



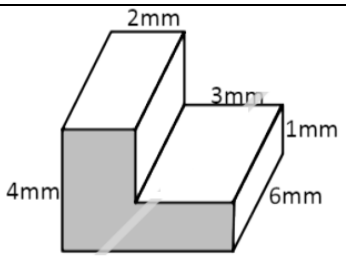
Area of the Base =

Vol=



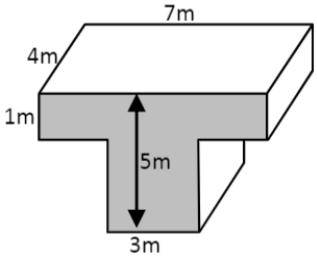
Area of the Base =

Vol=



Area of the Base =

Vol=

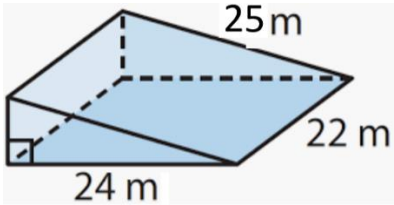


Area of the Base =

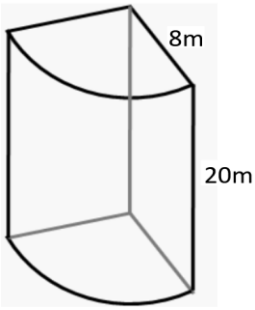
Vol=

4. In your own words, explain how to find the volume of a prism.

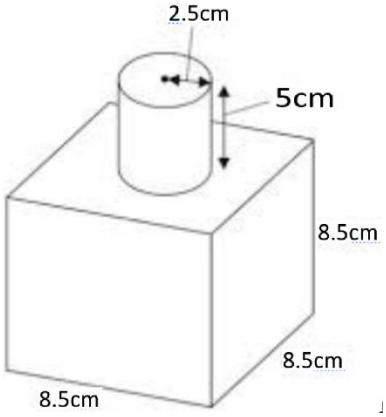
5. In the diagram below, the height of the triangle is given. Explain how you would find the volume of the prism



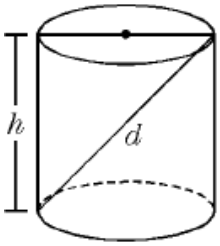
6. Find the volume of the solid. Show all your work and steps:

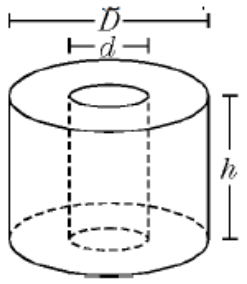


7. Find the volume of the 3D solid. Show all your work and steps



8. The radius of the following cylinder is unknown. Explain how you would find the volume of the following solid: $h = 24cm,\ r = 40cm$



9. The following cylinder has a hole cut out in the middle. What is the volume of the remaining solid:

$D = 24cm,\ d = 6cm,\ h = 18cm$