

Volume Pretest 2 Math 7

Name:

Date:

Directions: Show all work and answer the following questions below. All the information you need is provided.

- A. There was a vacant room with the dimensions of 16m long, 14m wide and 11m high. What is the volume of this room?

B. If you owned storage containers that were cylinders with the measurements: 10m diameter and 5m high. What is the volume of the container?
- Mr. C bought a massive cylinder to store Mountain Dew that had the measurements: diameter of 12m and height of 13m. This container was full to the brim. What volume of pop did Mr. C own?
- If Mr. C had a cylinder that had a radius of 6m and a volume of 1130.4 m^3 , what is the cylinder's height?
- If Mr. C had a cylinder was 8m high and had a volume of 628m^3 , what is the radius of this container?
- If Mr.C bought a giant chocolate for his favorite students that had a volume of 72m^3 . If the length of the bar is 3m and the width is 4m, what is the height?