MFM2PI – *Unit 8: Geometry – Lesson 4*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Volume of Prisms and Cylinders**

1. **What is Volume?**

**Volume** is the 3-dimensional space filled by a shape. As with area, the formulas for calculating the volume of various shapes are contained in the formula sheet.

The two basic shapes we will be looking at today, **prisms** and **cylinders**, have a common characteristic: they both have a ***uniform base area***, which is ***multiplied by*** the shape’s ***height***. Another way of identifying these shapes is that they have the same horizontal shape from the top to the bottom.

*Calculate the volume of the following shapes. Don’t forget to include the proper units!*

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**HW: *Unit 8 Lesson 4 Worksheet***