MFM2PI – *Unit 8: Geometry – Lesson 5*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Volume of Pyramids and Cones**

1. **How Are Pyramids and Cones Different Than Prisms and Cylinders?**

Excellent question! We will be measuring the volume of all four types of shapes, so they have that in *common*, but pyramids and cones are *different* than prisms and cones. Here’s how:

1. A pyramid is a prism with one end squished down to a single point, and
2. A cone is a cylinder with one end squished down to a single point.

Interestingly, there is a common rule for the calculation of the volume of pyramids and cones:

1. The *volume of a pyramid* is **one third** the volume of a related *prism*, and
2. The *volume of a cone* is **one third** the volume of a related *cylinder*.

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

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**HW: *Unit 8 Lesson 5 Worksheet***