**Unit 7: Modeling with 3-D Figures Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Day 6 Volume of a Pyramid and Cone (PH 10-6) Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour: \_\_\_**

**Volume of Pyramid: \_\_\_\_\_\_\_\_\_\_\_\_\_ Volume of Cone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Example 1:** Find the volume of the cone to the nearest tenth.



**Example 2:** Find the volume of the triangular pyramid.

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![[image]]()**Example 3**: Find the volume of the pentagonal pyramid.

**Area of a Regular Polygon:**

 **Area = ½ ∙Perimeter∙ Apothem**

 **A = ½ ∙ P ∙ a**

**Example 4**: Find the volume of the pentagonal pyramid. Each side of the pentagon is 7.3 in.



**Example 5:** Find the volume of the hexagonal pyramid. Each side of the hexagon is 6 cm.

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**Homework:** Day 6 KUTA Worksheet