

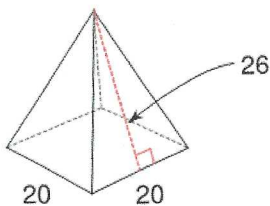
## Geometry Module 8 DBA

### Application

If a square building and a regular hexagonal building have the same perimeter, how do the areas of their floors compare?

**Find the error(s) and solve the problem correctly.**

Find the volume of the given pyramid. Measurements are in feet.



Answer:

$$V = \frac{1}{3}Bh$$

The base (B) is a square and the area is  $20(20) = 400 \text{ ft}^2$

$$V = \frac{1}{3}400(26)$$

$$V = \frac{1}{3}(400) + \frac{1}{3}(26) = 142 \text{ ft}^2$$

### Discussion Question

Compare and contrast the formulas for calculating the volume of a cone and the volume of a pyramid. Give a mathematical example to illustrate your discussion.

# Rubric

	<b>Not applicable</b>	<b>Needs Improvement</b>	<b>Proficient</b>	<b>Exemplary</b>
	<b>(0 points)</b>	<b>(up to 5.5 points)</b>	<b>(up to 8.5 points)</b>	<b>(up to 10 points)</b>
<b>Part 1 Application</b>	Solution is incorrect and the student did not show or explain work or work the problem incorrectly.	Solution is incorrect; however the student showed their work and made an error(s) in calculations. OR Solution is correct but there is no work shown or explained	Solution is correct, however there is little work shown for the problem.	Solution is correct. All work shown and explained using mathematical language from this module.
<b>Part 2 Find the Error</b>	Errors not found or explained. Error in attempt to rework the problem.	Some or no errors found. Problem reworked out partially.	All or most errors found and explained. Problem not reworked correctly.	All errors found and explained. Problem worked out correctly with all work shown
<b>Part 3 Discussion Question</b>	Discussion question not answered or discussed without correct conclusion	Errors in discussion. Little to no mathematical language included in the discussion	Discussion has few errors. Little to no mathematical language included in the discussion	Discussion is correct using mathematical language included in this module to answer the discussion question.
<b>Part 4 Reflection</b>	Reflection not answered.	Reflection attempted but response is less than 3 paragraphs. No specific examples given.	3 paragraphs are written but less than 2 sentences and/or meaningful discussion is missing for a paragraph. Little to no specific examples given.	3 paragraphs of at least 3 meaningful sentences each answering each question reflecting on this module. Specific examples are given to justify the reflection questions.

## Reflection

Your response must be at least three paragraphs (1 paragraph per question).

This question required:

1. What new information have you learned from this module? What surprised you about what you learned? What knowledge from your past courses did you use in this module?

Choose 2 of the following questions:

- do this
2. Over the course of this module, what concept did you find the most challenging? What did you do to clarify the concepts in this module to further your learning? How did I move through roadblocks or challenges?
  3. Briefly explain a concept in this module and give at least one real world example that demonstrates the concept that you have selected. Share an original example that you have written and solved. Be sure it is not given in the course content or in the application question above.
  4. Describe a specific LSS resource in addition to the course content that you used in this module and how it helped you learn the concepts.