Pre-AP Geometry

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Per:\_\_\_\_\_

POINTS:\_\_\_\_

Homework #42 Quiz

**Be sure to include your work when appropriate.**

1. Determine whether the pair of solids is

***similar*, *congruent*, or *neither***. If the solids

are ***similar***, state the scale factor.



2. Two similar pyramids have slant heights of

6 inches and 12 inches. What is the ratio of

the surface area of the small pyramid to the surface area of the large pyramid?

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3. The 12-foot replica of the Aggie Ring at

Haynes Ring Plaza on the Texas A&M campus weighs about 6500 pounds. If the ring was

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what is the scale factor?

4. What is the volume of the larger solid shown below?



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