GSE Geometry – Unit 4 Review Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Find the volume of the following figures.** |
| V = \_\_\_\_\_\_ | V = \_\_\_\_\_\_ | Description: http://00.edu-cdn.com/files/static/mcgrawhill-images/9780071439312/f0178-03.jpgV = \_\_\_\_\_\_ |
| V = \_\_\_\_\_\_ | V = \_\_\_\_\_\_ | V = \_\_\_\_\_\_ |
| 1. Square Pyramid side = 10 in Height = 14 in

V = \_\_\_\_\_\_ | V = \_\_\_\_\_\_ | V = \_\_\_\_\_\_ |
| **Working Backwards with Volume** |
| 1. Find the missing width of the base.

Volume = 100 $cm^{3}$Length = 6 cmHeight = 10 cm Width = \_\_\_\_\_\_\_\_ |  | 11. Find the radius.Volume = 8000 $in^{3}$Height = 12 cm Radius = \_\_\_\_\_\_\_\_ |  |
| **Surface Area and Volume of the following Spheres.**  |
| **12.** **Volume = \_\_\_\_\_\_\_****SA = \_\_\_\_\_\_\_** |  | **13.** **Volume = \_\_\_\_\_\_\_****SA = \_\_\_\_\_\_\_** |  |
| **Working Backwards for Surface Area and Volume of Spheres.**  |
| **14.** A sphere is inscribed in a cube of volume 64 cubic meters. **What is the surface area of the sphere?** Give an exact answer and an answer rounded to the nearest hundredth. | **15.** A sphere is inside a cube. The cube has a volume of 125 cm3. **Find volume of the sphere.** Round to the nearest hundredths. |
| **Finding volume of composite figures.**  |
| **16.**  | **17.**  |