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.jpg  V = \_\_\_\_\_\_ | | |
| 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  Length = 6 cm  Height = 10 cm  Width = \_\_\_\_\_\_\_\_ | |  | | 11. Find the radius.  Volume = 8000  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.** | | | | |