NAME	DATE	PERIOD
12 Chapter 12 Quiz	3	SCORE
(Lessons 12-5 and 12-6)		
1. A pyramid has a height of 18 centin area of 26 square centimeters. Find		1
2. Find the volume of the cone. Round to the nearest tenth.	17 cm	2
3. A hemisphere has a base with an ar centimeters. Find the volume of the nearest tenth.	_	3
4. A sphere has a great circle with a ci What is the surface area of the sphere		4
5. MULTIPLE CHOICE A sphere has a long. Find the volume of the sphere tenth.		
A 1019.4 in ³ C 15, D 47		5
B 7951.2 in ³ D 47,	702.2 in ³	J
NAME	DATE	PERIOD
12 Chapter 12 Quiz	: 4	SCORE
(Lessons 12-7 and 12-8)		
1. Name two lines containing point Z , a segment containing point R , and a triangle in the sphere \mathcal{F} .	$W = \frac{z}{z} + \frac{y}{y} + \frac{y}{z} + $	1
2. Do all lines have an infinite number geometry? If not, explain your reaso		2
3. Determine whether the pair of solids is <i>similar</i> , <i>congruent</i> , or <i>neither</i> . If the solids are similar, state the scale factor.	0.5 m	3
4. Two similar prisms have heights of is the ratio of the volume of the smather large prism?		4
5. Two cubes have surface areas of 81 144 square inches. What is the ratio small cube to the volume of the larg	o of the volume of the	5
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