7th Grade Unit 4 Study Guide

Which of the following sets of side lengths below can make triangles?					GSE.7.G.2
1.) 2, 3, 4	2.) 2, 2, 5	3.) 2, 5, 5	4.) 2, 2, 2	5.) 9, 1, 1	
yes or no	yes or no	yes or no	yes or no	yes or no	
6.) WRITE A RUL	E:				
Which of the follow	ving sets of angles CAN	N make triangles and wi	hich CANNOT make	triangles?	GSE.7.G.2
7.) 20°, 40 °, 30 ° can or cannot	8.) 15°, 35°, can or can	130° 9.) 20°, anot can of	100°, 60° r cannot	10.) 20°, 100°, 50° can or cannot	
11.) WRITE A RUI	LE:				
12.) What shape isisisisis	the new face when a re cut parallel to the base cut perpendicular to th cut diagonally from to as 1 corner cut off?	ectangular prism ? e base? p left to bottom right?			GSE.7.G.3
13.) Find the measu	ire of:			/	GSE.7.G.5
Angle a			a 99°		
Angle b					
Angle c			36° b C		
How many differen	t triangles can you ma	ke with			
14.)angles of	· 40°, 40°, 80°?		AN	SWER CHOICES	
 15.)angles of 80°, 77°, 23°? 16.)side lengths of 12, 3, 7? 			ONE , it's a unique triangle. MORE THAN ONE triangle can be made. NONE , a triangle cannot be made.		
					е.
17.)side leng	ths of 44, 20, 35?				
For number 18 & 1	9: The sides of a cube	are 8 cm.			
18.) Find the volume of the cube.					
. 19.) Find the sur	face area of the cube.			GSE.7.G.3	
20.) Look at the pyr cu cu cu	ramid. What shape wou t parallel to the base? t through the tip and pe t diagonally, not throug	uld the new face be if the erpendicular to the base? gh the tip?	e pyramid was		GSE.7.G.3
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