6th Grade Math Unit 4 – Geometry Lesson Notes and Resources Available on Teacher's Website

4.1 Areas of Parallelograms (online textbook pgs. 152-157)						
A) Find the area of the parallelogram.				B) Find the area of the parallelogram.		
15 in I 15 in I 18 in I				2.5 m		
C) Find the area of the parallelogram.				D) Find the area of the parallelogram.		
E) Find the missing dimensions in the table.				F) Find the area of the parallelogram without the shaded region.		
Parallelogram	Base	Height	Area			
A	x + 4		5x + 20			
В		8	8x – 24			
С	6		12x + 6y			
G) Which description represents the area of a parallelogram?				H) A parallelogram and its dimensions are shown below. The area of the parallelogram is		
A the product of the length and the height				30 cm ² . What is the value of <i>h</i> ?		
B. the sum of all of the side lengths				h cm		
C. the square of the side length						
D. four times the length				C. 6		
				D. 10		
How do you know?				How do you know?		









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8.1 Three-Dimensional Figures (online textbook pgs. 354-359)				
A) Draw the front, side, and top view.	B) Draw the front, side, and top view.			
C) Find the number of faces, edges, and vertices	D) Find the number of faces, edges, and vertices			
E) Draw a triangular prism.	F) Draw the solid with the following front, side, and top view			
	Front view Side view Top view			
G) Draw a hexagonal pyramid.	H) How many faces does the solid have?			
	A. 3			
	B. 5			
	C. 6			
	D. 9			
	Describe how to find the face of a solid.			

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8.2 Surface Areas of Prisms (online textbook pgs. 360-365)				
A-B) Draw the net.	C-D) Find the surface area of the prism.			
E) Find the surface area of the prism.	 F) A number cube is made of cardboard. One face of the cube is traced onto a coordinate grid, with opposite vertices at (4,8) and (12,16). What is the surface area in units² of the entire cube? A. 48 B. 64 C. 384 D. 512 			
 G) A right triangular prism is shown below. What is the total surface area in units²? A. 84 B. 96 C. 180 D. 360 3 in. 4 in. 	 H) Draw and label a rectangular prism with a length of 3 cm, a width of 2 cm, and a height of 5 cm. What is the surface area? 			



