Math 6 - Unit 5: Area and Volume

Name: \_\_\_\_\_

Review

Class Period: 1 2 3 4 Date: \_\_\_\_\_

<u>Area of a</u>	<u>Area of a</u>	<u>Area of a</u>	<u>Area of a</u>	<u>Volume of a</u>
<u>Rectangle</u>	<u>Triangle</u>	Parallelogram	Trapezoid	<u>Rectangular Prism</u>
A = bh or $A = lw$	$A = \frac{1}{2}bh$ or $A = \frac{bh}{2}$	A = bh	$A = h(\frac{b_1 + b_2}{2})$	V = Bh or $V = lwh$

Solve the following problems and record your answers on the given line. You must show all work required to get credit!

<ol> <li>Volume is measured in units.</li> </ol>	units, and area is measured	in
2) What polyhedron will this net	create?	ANSWER
a) square pyramid	b) triangular prism	
c) cube	d) rectangular prism	
3) Determine the <b>volume</b> of the $\frac{1}{3}$ cm	e cube pictured below.	ANSWER
4) Find the area of the triangle.	15 cm 8 cm	ANSWER

5) Determine the area of the trapezoid.	ANSWER
7 cm 1 6 cm 1 2 cm	
6) Find the area of the figure shown below (Hint! Draw a line to make 2 rectangles and add area of 2 rectangles together!)	ANSWER
4 cm 5 0 6 cm	
7) What is the <b>surface area</b> of the rectangular prism? 2 cm 5 cm 2 cm	ANSWER
8) Find the <b>area</b> of the parallelogram.	ANSWER
9) Find the area of the <b>shaded</b> region:	ANSWER