
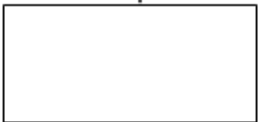
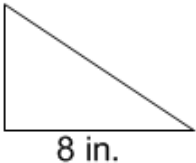
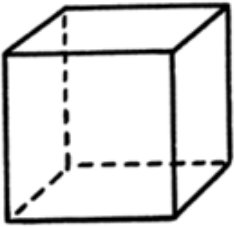
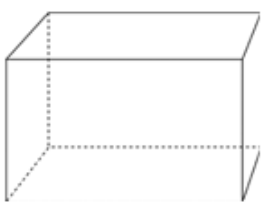
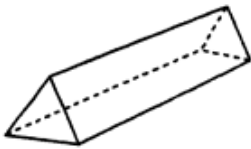
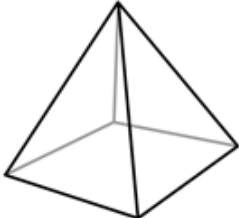
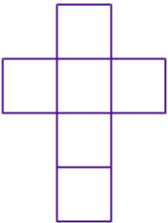
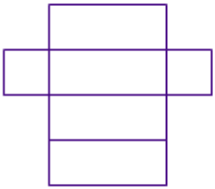
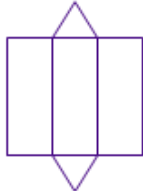

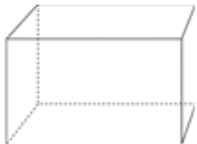
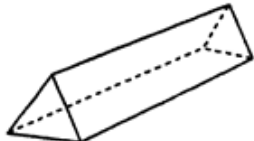


Name \_\_\_\_\_

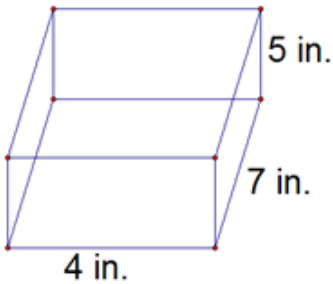
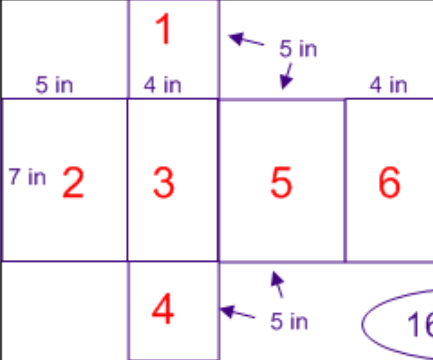
Study Guide

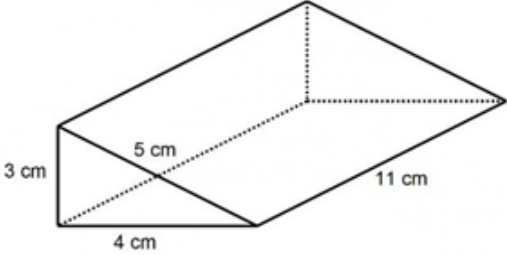
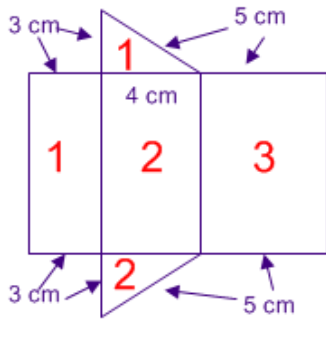
<p>Perimeter:</p> <p>the distance around the edges of a two-dimensional figure</p>	<p>Example:</p> <p>5.7in</p>  <p>3.5in</p> <p><math>3.5 + 5.7 + 3.5 + 5.7 = 18.4 \text{ in.}</math></p>		
<p>Area of a rectangle:</p> <p>the space on the inside of a rectangle</p> <p>formula: length x width</p>	<p>Example:</p> <p><math>4\frac{1}{4} \text{ in.}</math></p>  <p><math>2\frac{1}{2} \text{ in.}</math></p> <p><math>2\frac{1}{2} \times 4\frac{1}{4} = \frac{5}{2} \times \frac{17}{4} = \frac{85}{8} = 10\frac{5}{8} \text{ in}^2</math></p>		
<p>Area of a triangle:</p> <p>base x height <math>\div 2</math></p> <p><math>\frac{bh}{2}</math></p>	 <p>5 in.</p> <p>8 in.</p> <p><math>5 \times 8 = 40 \div 2 = 20 \text{ in}^2</math></p>		
<p>Solid Figures</p>			
<p>Cube</p>	<p>Rectangular Prism</p>	<p>Triangular Prism</p>	<p>Pyramid</p>
			
<p>Draw the net for the above figures.</p>			
			

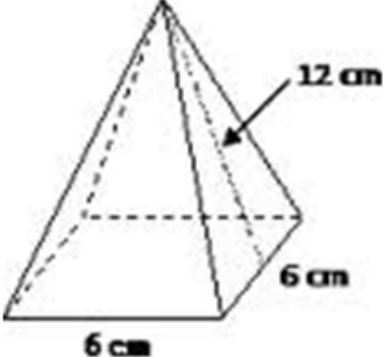
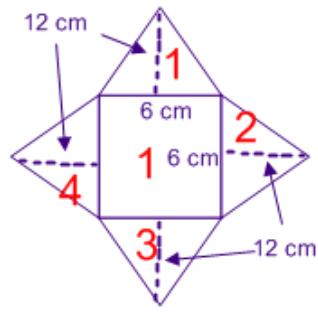
		
Faces 2d shapes that make a 3d figure	6	5
Edges line where two faces meet	12	9
Vertices corners	8	6

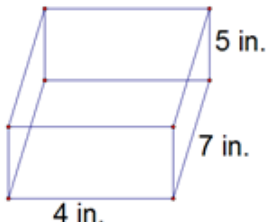
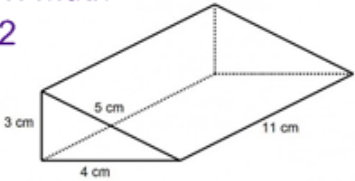
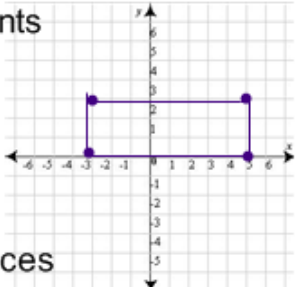
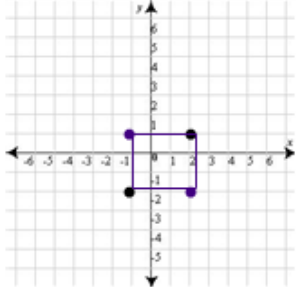



How to Find Surface Area

Find the area of all of the face and add them together.

Surface Area of a Rectangular Prism:	Example
	 $  \begin{aligned}  R_1 &= 5 \times 4 = 20 \\  R_2 &= 7 \times 5 = 35 \\  R_3 &= 4 \times 7 = 28 \\  R_4 &= 5 \times 4 = 20 \\  R_5 &= 7 \times 5 = 35 \\  R_6 &= 4 \times 7 = 28 \\  \hline  &168  \end{aligned}  $ <p>168 in.<sup>2</sup></p>

Surface Area of a Triangular Prism:	Example
	 $  \begin{aligned}  R_1 &= 3 \times 11 = 33 \\  R_2 &= 4 \times 11 = 44 \\  R_3 &= 5 \times 11 = 55 \\  T_1 &= 3 \times 4 + 2 = 6 \\  T_2 &= 3 \times 4 + 2 = 6 \\  \hline  &144  \end{aligned}  $ <p>144 cm.<sup>2</sup></p>

Surface Area of a Pyramid:	Example
	 $  \begin{aligned}  Sq &= 6 \times 6 = 36 \\  T_1 &= 6 \times 12 + 2 = 36 \\  T_2 &= 6 \times 12 + 2 = 36 \\  T_3 &= 6 \times 12 + 2 = 36 \\  T_4 &= 6 \times 12 + 2 = 36 \\  \hline  &180  \end{aligned}  $ <p>180 cm.<sup>2</sup></p>

<p>Volume of a Rectangular Prism:</p> <p>length x width x height <math>l \times w \times h</math></p> 	<p>Example</p> <p><math>4 \times 7 \times 5 = 140 \text{ in}^3</math></p>
<p>Volume of a Triangular Prism:</p> <p>base x height x width <math>b \times h \times w \div 2</math></p> 	<p>Example</p> <p><math>3 \times 4 \times 11 = 132 \div 2 = 66 \text{ cm}^3</math></p>
<p>Graphing Shapes</p> <p>Graph these points</p> <p>(-3, 3) (-3, 0) (5, 0) (5, 3)</p>  <p>Connect the vertices</p>	<p>Describe the shape you graphed.</p> <p>Four right angles 2 pairs of equal sides</p> <p>It's a rectangle.</p>
<p>Finding Missing Vertices of Shapes</p> <p>What two points are needed to complete the square to the right?</p> <p>Squares need all four sides same length, so if those are 3 apart vertically and horizontally, the other two points would be:</p> <p>(-1, 1) and (2, -2)</p>	
<p>Reflection : Flip</p> <p>mirrored across a line</p>	
<p>Rotation : Turn</p> <p>turned on a certain point, two images should share a point</p>	
<p>Translation : Slide</p> <p>move straight in one direction</p>	

My student was able to study for AT LEAST 30 minutes for this test.

Parent signature \_\_\_\_\_ Date \_\_\_\_\_