• • • • • • • • • • • • • • • • • • •	
Y	
Name:	
Surface Area and Volume Print Activity	4. Select Reset, Rectangular Prism, and Rectangular Pyramid.
Use the "Explore It" mode to answer the following questions:	a. The base of both shapes is a whose area formula is A =
1. Match the shape to its name:	b. The volume formula for the prism is $V = lwh$ and the volume is $V = m^3$
a. Triangular Prism	c. The volume formula for the pyramid is $V = \underline{\hspace{1cm}}$ and the volume is $V = \underline{\hspace{1cm}}$ m ³ .
b. 4 Rectangular Pyramid	d. Select Surface Area for each shape.
c. Cylinder	i. The prism is made up of rectangular surfaces and has a surface area of m².
dRectangular Prism	ii. The pyramid is made up of rectangular and triangular surfaces and has a surface
e. Cone	area of m ² . (4/5/6)
f. 台 Triangular Pyramid	
2. Match the shapes to their properties:	5. Select Reset, Triangular Prism, and Triangular Pyramid.
a 450	a. The base of both shapes is a whose area formula is A =
a. The shapes that have circular bases are and b	b. The volume formula for the prism is $V = \frac{1}{2}abh$ and the volume is $V = \underline{\hspace{1cm}} m^3$.
c. The shapes that have rectangular bases are and	c. The volume formula for the pyramid is $V = \frac{1}{2}$ and the volume is $V = \frac{1}{2}$
d. The shapes that have triangular bases are and	d. Select Surface Area for each shape.
. 🖟	i. The prism is made up of triangular surfaces, rectangular surfaces, and its
f. 🖨	i. The prism is made up of
3. Select Reset.	ii. The pyramid is made up of triangular surfaces, and its surface area is m ²
	(4/5/6) Triangular out factor, and his surface area ism
a. The shape displayed on both sides of the screen is called a	6. Solect Reset, Cylinder, and Cone.
b. The formula beneath each shape is for the(surface area/volume)	a. The base of both shapes is a whose area formula is A =
c. The formula stated in words is $V = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$	b. The volume formula for the cylinder is $V = $ and the volume is $V = $ m^3 .
d. The formula stated in variables is = (_)(_)(_).	c. The volume formula for the cone is $V = \frac{m}{2}$ and the volume is $V = \frac{m}{2}$.
e. In this example each side measures m.	d. Select Surface Area for each shape. The resulting surface area of the cylinder ism ²
f. The volume of the shape is m ³ .	and for the cone ism ² .
g. Change the setting to Surface Area. This shape has surfaces	
and the SA is m ² .	
Junior High Math Interactives Page 1 of 4 ©2006 Alberta Education (www.LeannAlberta.ca)	Junior High Math Interactives ©2006 Alberta Education (www.LeanuAlberta.ca) Page 2 of 4
Shape and Space / Surface Area and Volume / Object Interactive / Print Activity	
onape and space / Surface Area and volume / Object interactive / Print Activity	Shape and Space / Surface Area and Volume / Object Interactive / Print Activity
	1 11