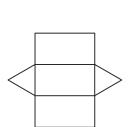
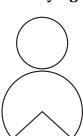
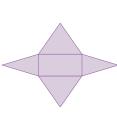
Name:_	
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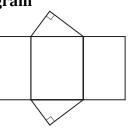
Geometry B What You Need to Know (Chapter 10 Test)

Be able to label and classify figures given the net diagram



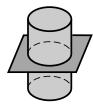


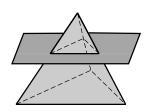


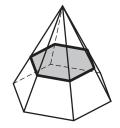




Be able to describe the cross section of a figure

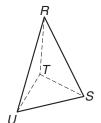


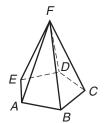


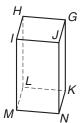




Be able to classify a figure and name the vertices, edges, and bases of a figure



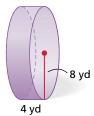






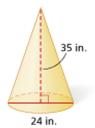
U	_	/ 1	
CLASSIFICATION	CLASSIFICATION	CLASSIFICATION	CLASSIFICATION
VERTICIES	VERTICIES	VERTICIES	VERTICIES
EDGES	EDGES	EDGES	EDGES
BASE	BASE	BASE	BASE

	Name:	
	Class:	
	Hour:	C
Be able to describe the effect of changing the area	dimensions of a	ngure on the suri
THE GENERAL RULE IS:		
IF YOU MULTIPLY ALL ORIGINAL DIMENSI	ONS BY	_ TO CREATE NI
DIMENSIONS THEN THE ORIGINAL SURFA	CE AREA WILL I	BE MULTIPLIED E
TO MAKE THE NEW SURFACE	AREA.	
The dimensions of a 12 in. by 9 in. by 24 in. ri		rism are
multiplied by $\frac{2}{3}$. Describe the affect on the sur	tace area.	
The dimensions are doubled.		
3 ft		
9 ft		
12 ft		
The dimensions are tripled.		
9 ft		
11 ft		
The dimensions are cut in half.		
cut iii iiaii.		



Name:
Hour:
Be able to describe the effect of changing the dimensions of a figure on the Volume THE GENERAL RULE IS:
IF YOU MULTIPLY ALL ORIGINAL DIMENSIONS BY TO
CREATE NEW DIMENSIONS THEN THE ORIGINAL VOLUME WILL BE
MULTIPLIED BY TO MAKE THE NEW VOLUME. The dimensions of a cylinder with diameter 2 ft and height 1 ft are reduced by half. Describe the affect on the volume.
The dimensions are multiplied by 5.
2 yd
3 yd
The dimensions are multiplied by $\frac{3}{5}$.
10 m
The dimensions are doubled.
15 in.
Be able to find the lateral area and surface area of a given figure.

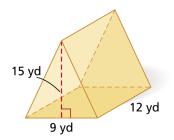
Find the lateral area and surface area of each right cone. Give your answers in terms of π .



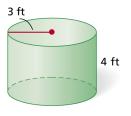
Name:_	
Class:_	

Hour:_____

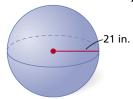
Find the lateral area and surface area of each right prism.



Find the lateral area and surface area of each right cylinder. Give your answers in terms of π .

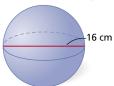


Find each measurement. Give your answers in terms of π . the surface area of the sphere



Be able to find the volume of a given figure. Find each measurement. Give your answers in terms of π .

the volume of the sphere

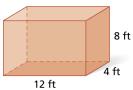


Name:_	
Class:_	
Hour:	

Find each measurement. Give your answers in terms of π . the volume of a cylinder with base area 64π m² and a height 3 meters less than the radius

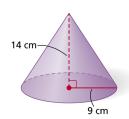
VOLUME = _____

Find the volume of each prism.



VOLUME = _____

Find the volume of each cone. Give your answer in terms of π



VOLUME = ____

Find the volume of each pyramid. Round to the nearest tenth, if necessary.



VOLUME = _____

Name:	
Class:	
Hour:	

Be able to use volume to solve for the radius, or surface area of a sphere Find each measurement. Give your answers in terms of π . the surface area of the sphere of a sphere with volume 7776π in 3

Find each measurement. Give your answers in terms of π . the radius of a sphere with volume $288\pi\,\mathrm{cm}^3$

Radius r = ____

Be able to solve real world problems using surface or lateral area If the pattern shown is used to make a paper cup, what is the diameter of the cup?

