

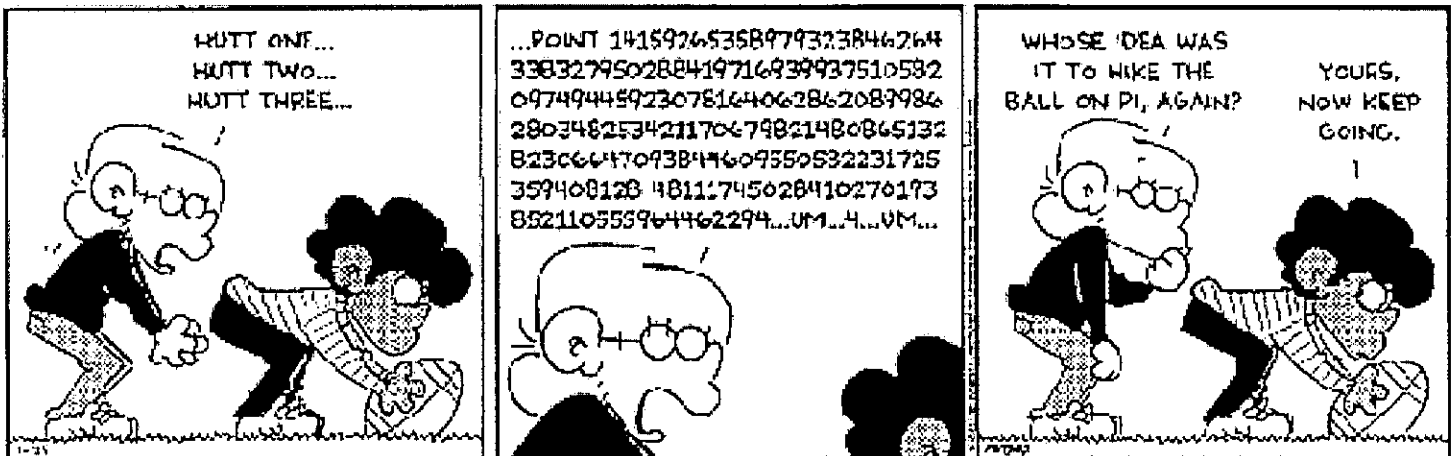
Name: _____

Hour: _____

Unit H:

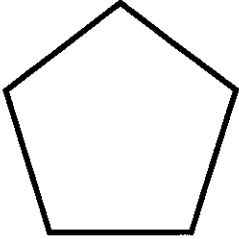
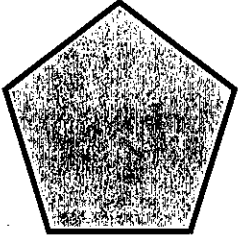
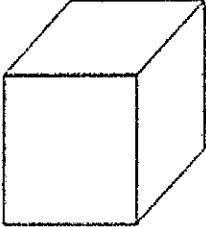
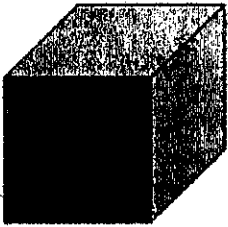
Viewing 3D Solids

Geometry, 2nd Semester

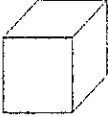
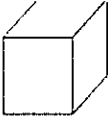
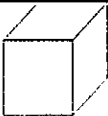
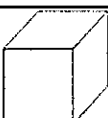
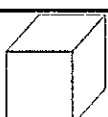
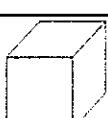
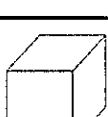


Lesson 9-3 & 9-4: Prisms, Cylinders, Pyramids, & Cones

Vocabulary

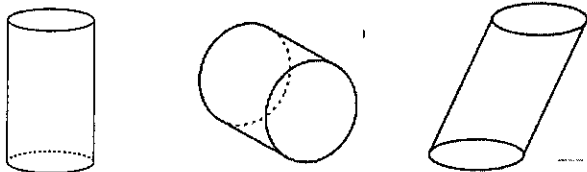
Polygon	Polygonal Region
	
Surface	Solid
	

Parts of 3D Figures:

Base		
Face		
Edge		
Lateral Edge		
Lateral Surface		
Vertex/Vertices		
Height		

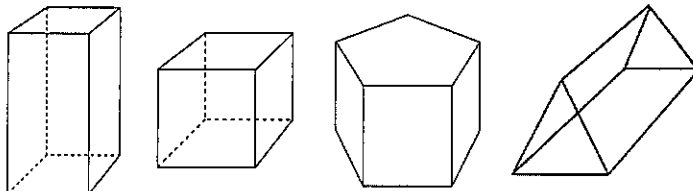
Cylinder: _____

Examples



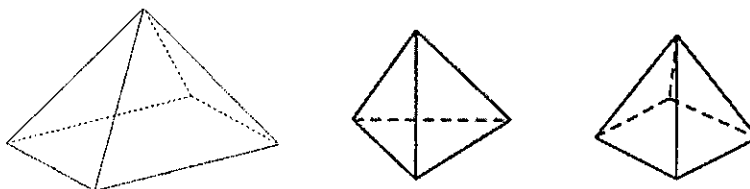
Prism: _____

Examples



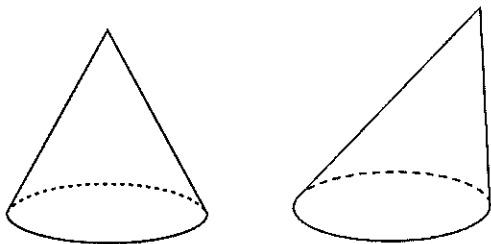
Pyramid: _____

Examples



Cone: _____

Examples



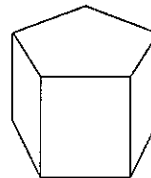
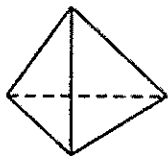
Naming Prisms & Pyramids:

1. _____

&

2. _____

Example



Right vs. Oblique

Right: _____

Oblique: _____

Rotating Figures on their "axis of symmetry"...

Imagine spinning a 2D figure really, really fast - this is called _____

Practice

For each of the 2D figures, name the 3D figure created by rotating it on its axis of symmetry.

1. Circle

2. Triangle

3. Square

Name the 2D figure that is necessary to rotate on its axis of symmetry to get the given 3D figure.

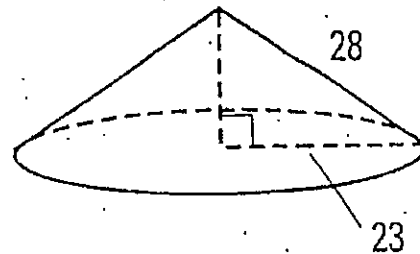
4. Truncated cone

5. Cylinder

6. Sphere

Use the cone to below to the right.

7. Find the altitude of the cone.



8. Find the area of the cone's base.

Lesson 9-5: Spheres & Sections

Vocabulary

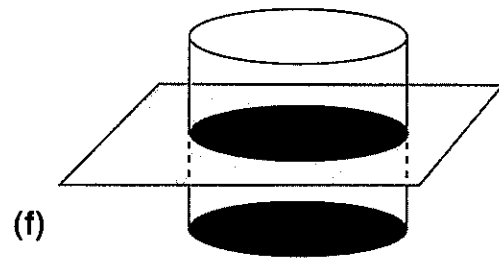
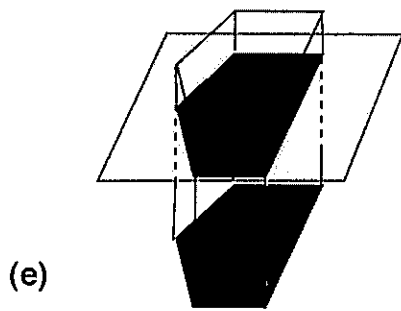
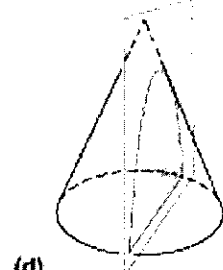
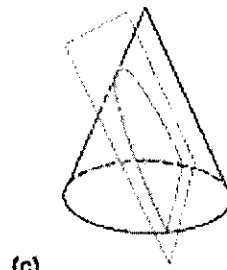
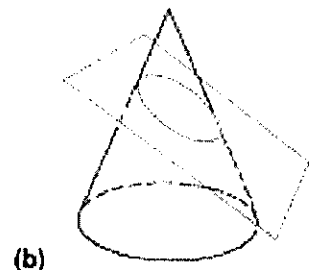
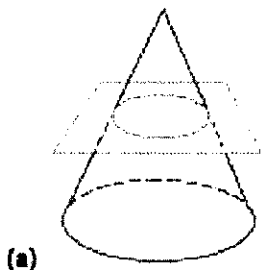
Sphere: _____

Solid Sphere	Sphere

Parts of a Circle:

Point		
Great Circle		
Small Circle		

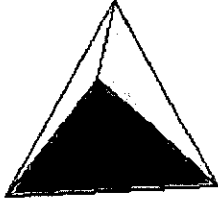
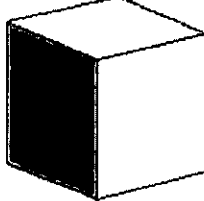
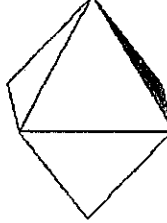
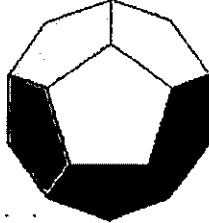
Plane Section: _____



Lesson 9-8: Making Surfaces

Vocabulary

Polyhedron: _____

Name	# of Sides	Picture
	4	
	6	
	8	
	12	
	20	