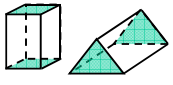
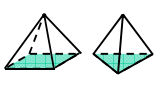
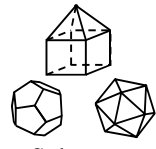
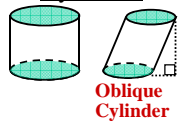
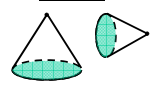
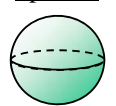


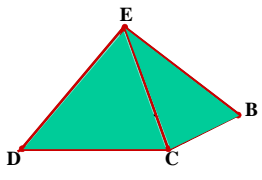
Lesson 10-1

Objective - To identify features of three-dimensional solids.

Polyhedrons - Closed 3-D figures bounded by polygons.

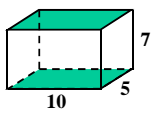
<u>Prisms</u>	<u>Pyramids</u>	<u>Other Polyhedrons</u>
		
Bases are Congruent and Parallel	Base and Point	
<u>Cylinders</u>	<u>Non-Polyhedrons</u>	<u>Spheres</u>
		
Oblique Cylinder		

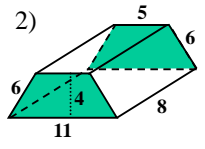
Use the solid below to name the following.



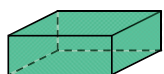
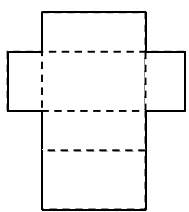
<u>Vertices</u>	<u>Edges</u>	<u>Faces</u>
Vertex A	\overline{AB} \overline{AE}	square ABCD
Vertex B	\overline{BC} \overline{BE}	$\triangle AED$
Vertex C	\overline{CD} \overline{CE}	$\triangle ABE$
Vertex D	\overline{AD} \overline{DE}	$\triangle BEC$
Vertex E		$\triangle DEC$

Identify the bases of the prism and the altitude.


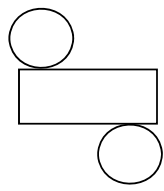
1)  **Rectangular bases**
Altitude = 7

2)  **Trapezoidal bases**
Altitude = 8




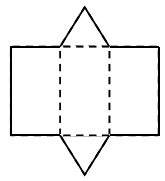
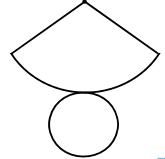
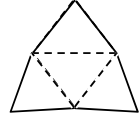
Sketching the Net of a 3-D Solid


<u>3-D Solid</u>	<u>2-D Net</u>
	

Sketching the Net of a 3-D Solid

<u>3-D Solid</u>	<u>2-D Net</u>
	



Sketch the net for the 3-D solids below.


1) 	2) 	3) 
		

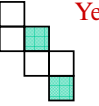

THE GEOMETRY SKETCHPAD 


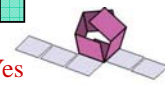
Lesson 10-1


Determine whether the following are nets of a cube.

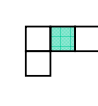
1)  **Yes** 

2)  **No**

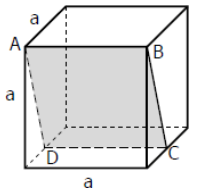
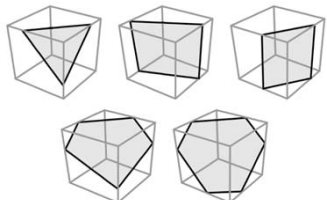
3)  **Yes** 

4)  **Yes** 

5)  **Yes**

6)  **Yes**

Describe all the polygons that can be formed by a plane intersecting a cube in 3D space.

THE GEOMETRICAL SKETCHPAD 