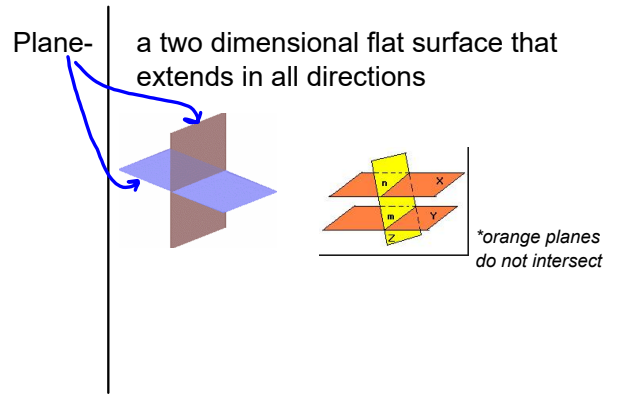


Your Name
Mrs. T
//
Notes

Lesson 7-4

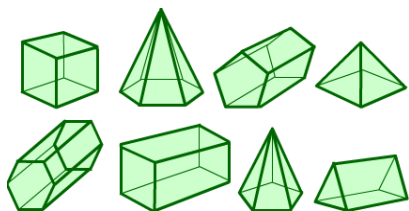
3D Figures

**lots of vocabulary :)*



3 D Three dimensional shapes, 3D shapes, or solids....

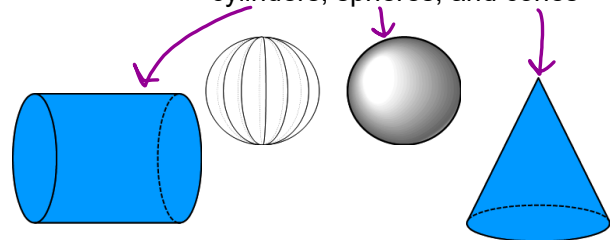
polyhedron- is a 3D solid with flat surfaces that are polygons *no curves*



* most prisms and pyramids are polyhedrons

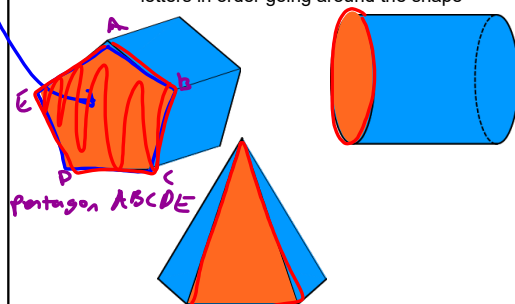
Solids that are NOT polyhedrons....

cylinders, spheres, and cones



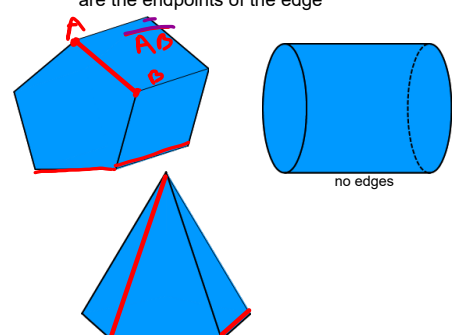
Face-

a flat surface,
To label: draw the polygon and then write the letters in order going around the shape

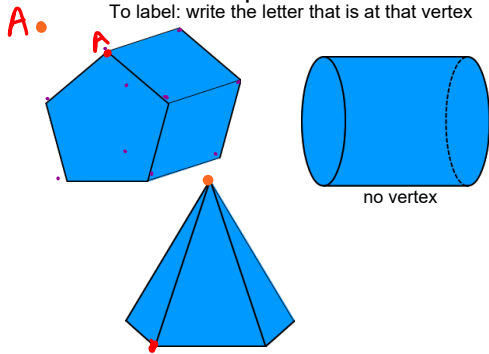


Edge-

where two planes intersect in a line
To label: draw a line on top of the two letters that are the endpoints of the edge



Vertex- where three or more planes intersect at a point
To label: write the letter that is at that vertex

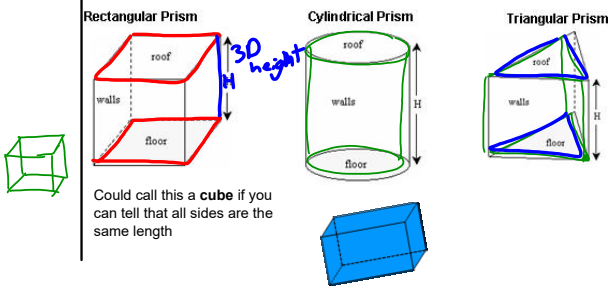


Base- Prisms: have 2 Bases .
Pyramids: have 1 Base and the main vertex point on the other side.

*Prisms and pyramids are named by the shapes of the bases.

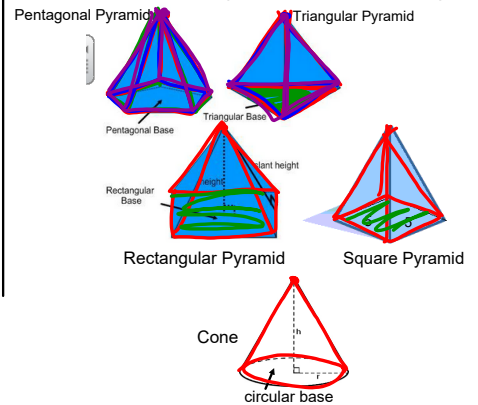
Types of Prisms

Has two bases - sides are rectangles (unless its a cylinder)

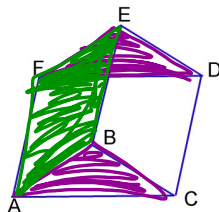


Types of Pyramids:

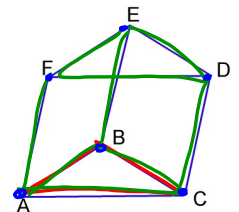
Only one base: Sides are triangles (unless its a cone)



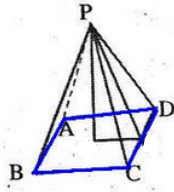
- Name the solid.
Triangular Prism
- How many bases does it have?
2
- Name the base or bases.
 $\triangle ABC$ $\triangle FED$
- How many faces does it have?
5
- Name a face.
rectangle $AHEB$
- How many edges does it have?
9
- Name an edge.
 DC
- How many vertices does it have?
6
- Name a vertex.
B



- Name the solid.
Triangular Prism
- How many bases does it have?
2
- Name the base or bases.
 $\triangle ABC$ $\triangle FED$
- How many faces does it have?
5
- Name a face.
rectangle $BCDE$
- How many edges does it have?
9
- Name an edge.
 AB
- How many vertices does it have?
6
- Name a vertex.
A



1. Name the solid.
Rectangular Pyramid
2. How many bases does it have?
1
3. Name the base or bases.
rectangle ABCD
4. How many faces does it have?
5
5. Name a face.
 $\triangle PCD$
6. How many edges does it have?
8
7. Name an edge.
 \overline{PB}
8. How many vertices does it have?
5
9. Name a vertex.
P



Exit Question

- Name the solid. hexagonal Prism
- How many faces does it have? 8
- Name a face. rectangle BHIK
- How many edges does it have? 18
- Name an edge. \overline{GH} or \overline{FL}
- How many vertices does it have? 12
- Name a vertex. E
- How many bases does it have? 2
- Name the base or bases. hexagon FABCDE

