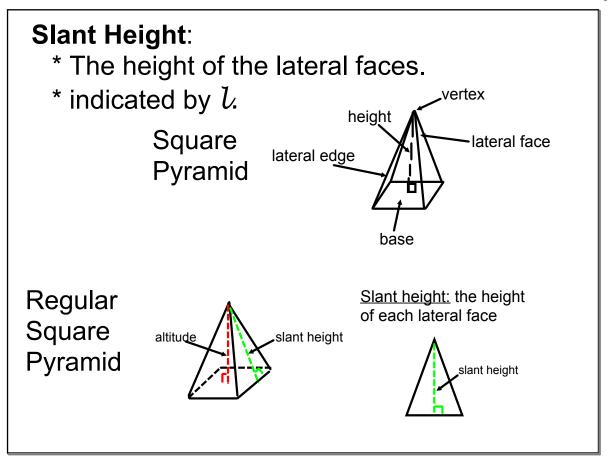
Pyramids:

\* Lateral faces (faces that are not the base) intersect at one point, the **vertex**.

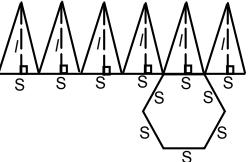
- \* The lateral faces are the triangles.
- \* The base will be a polygon.
- \* Lateral edges are the edges that connect the base to the vertex.
- \* The altitude (height) is the perpendicular segment that goes from the vertex to the base.

## **Regular Pyramid**:

- \* When the base is a regular polygon and the altitude is perpendicular going through the center of the base.
- \* Lateral faces will be congruent isosceles triangles.



Nets will help us find the lateral area as well as the surface area.



**Lateral Area** (L. or L.A.) would be found by finding the area of the triangles and adding them together.

L.A. =  $\frac{1}{2}$  Pl l = slant height P = perimeter of base **Surface Area** (T. or S.A.) would be found by finding the lateral area and adding the area of the base.

S.A. = 
$$\frac{1}{2}$$
 P $l$  + B

$$\mathcal{L}$$
 = slant height  
P = perimeter of base  
B = Area of Base

