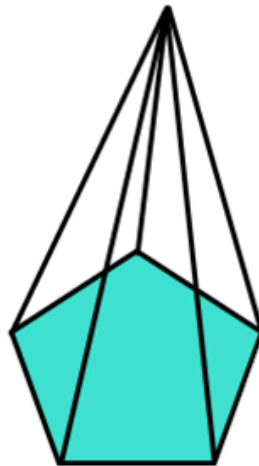


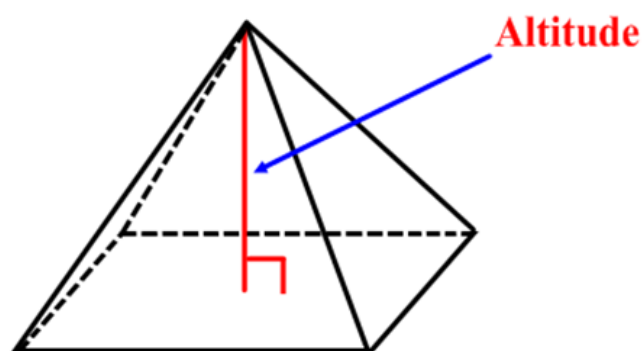
Def. Pyramid

A solid with 1 base whose lateral faces are triangles and intersect at a point called the **VERTEX**.



Altitude of a Pyramid

A segment from the vertex that is $\perp$ to the base.



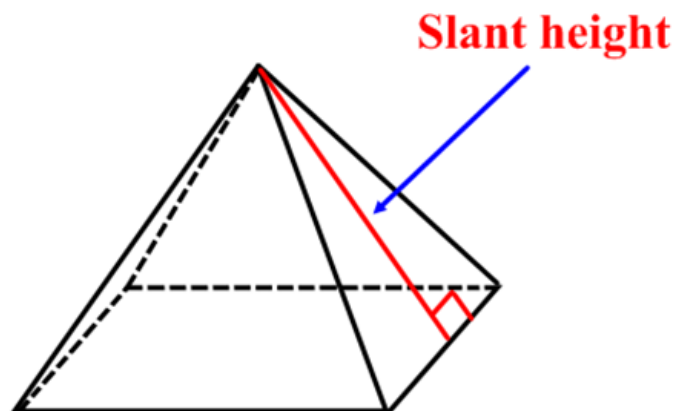
Def. Regular Pyramid

A pyramid whose altitude goes from the vertex to the center of the base.

The Lateral Faces are $\cong$ isosceles triangles.

Slant height of a Regular Pyramid

The height of each lateral face of a regular pyramid.



Lateral Area of a Regular Pyramid

$$L = \frac{1}{2}Pl$$

Where L is the Lateral Area,
 P is the **PERIMETER** of the **BASE**,
 l is the **SLANT HEIGHT** of the pyramid.

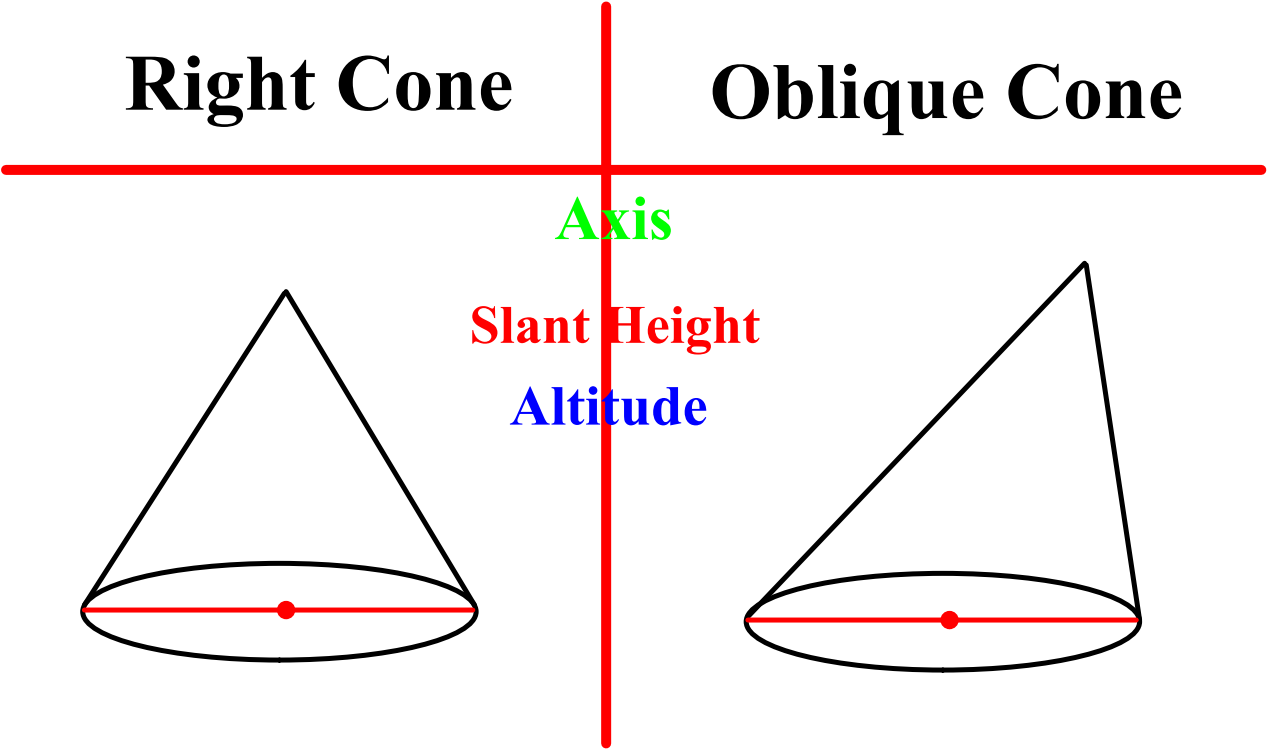
Surface Area of a Regular Pyramid

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

Where S is the Surface Area,
 P is the **PERIMETER** of the **BASE**,
 l is the **SLANT HEIGHT** of the pyramid
 B is the **AREA** of the **BASE**

Def. Cone

A solid with exactly 1 circular base and whose lateral face intersects at a point called the VERTEX



Lateral Area of a Right Cone

$$L = \pi r l$$

Where L is the Lateral Area,
 r is the **RADIUS** of the **BASE**,
 l is the **SLANT HEIGHT**

Surface Area of a Right Cone

$$S = \pi r l + \pi r^2$$

Where S is the Surface Area,
 r is the **RADIUS** of the **BASE**,
 l is the **SLANT HEIGHT**