

12-2: Area and Volume of Pyramids

C.O.: _____

L.O.: _____

Pyramids: Refer to this example (a regular square Pyramid):

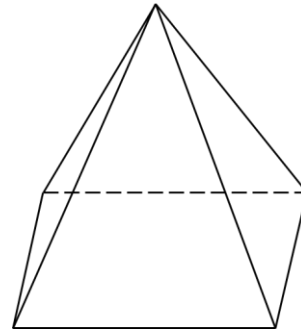
The base is a _____.

All lateral edges are _____.

All lateral faces are congruent _____
Triangles.

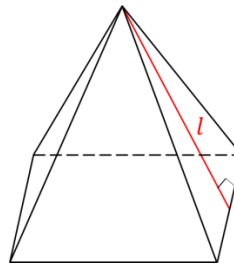
The height of a lateral face is called the _____
_____.

The altitude (or height) meets the base at its
_____.



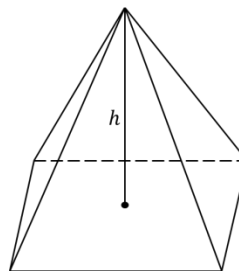
Theorem 12-3: The lateral area of a pyramid equals _____
_____.

Equation:



Theorem 12-4: The volume of a pyramid equals _____
_____.

Equation:



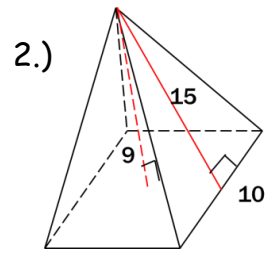
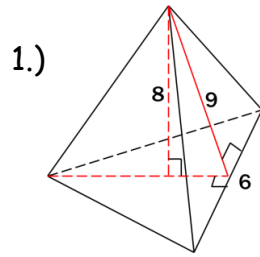
Practice: Given a pyramid, find the

a.) Lateral Area

b.) Total Area (Eq: $T.A. = L.A. + B$, where B is the area of the base)

c.) Volume

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Group Practice:

(1-4) Given a regular pyramid, find the

a.) Lateral Area

b.) Total Area

c.) Volume

