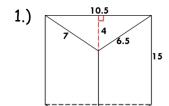
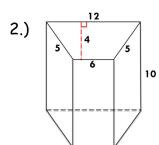
<u>C.O.</u> :
L.O.:

Prisms:
 The ends of a prism are called the These bases are to each other and are The faces of the prism that are not its bases are known as its
 Adjacent lateral faces intersect in parallel segments called
 that contain the bases. The length of the altitude is the, h, of the prism.
Theorem 12-1: The lateral area of a right prism equals
Equation: *Refer to this diagram for both theorems. Theorem 12-2: The volume of a right prism equals
Equation:
<u>Cubes:</u>
A rectangular prism with square faces is known as a cube.
Since each face is a square, then all of its edges have equal length.
The volume then can be simplified to: $\emph{V}=$, where represents a single edge.

<u>Practice</u>: Given a right prism, find the

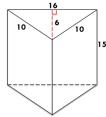
- a.) Lateral Area
- b.) Total Area (Eq: T.A. = L.A. + 2B, where B is the area of each base)
- c.) Volume



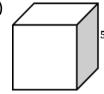


Group Practice:

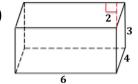
- (1-4) Given a right prism, find the
- a.) Lateral Area
- b.) Total Area
- c.) Volume
- 1.)



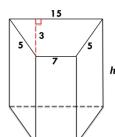
- (5-6) Given the volume or lateral area
- a.) Find the height
- b.) Find the Lateral Area/Volume
- c.) Find the Total Area
- 2.)



3.)



- 4.)
- 5.) Volume: V = 330



6.) Lateral Area: L.A. = 66

