

#### **Area and Volume of Solids: Notes**

## Important vocabulary:

Lateral Faces: 4 sided figures formed by the verticies of the bases

Lateral Edges: the segments connecting those vertices

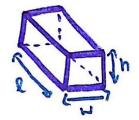
Bases: top + bottom congruent faces

Lateral Area: the sum of lateral faces

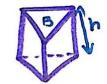
Surface Area: sum of the lateral area and bases



# Prisms and Cylinders:



V= LWh 5.A.= 2lw+2lh+2wh



V=Bh L.A.=hp S.A.=hp:2B



V= 17 r 4 LA.=27 r A S.A.=27 r 2+27 r A

#### Sphere:



### Cone and Pyramid:





V=3BA L.A. = 2LP S.A. = 2LP+B

height: height of a lateral face of a regular pyramic or