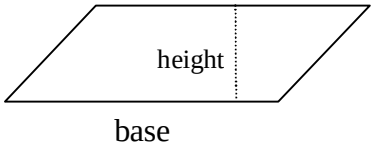
Circle **Area = πr^2** **Circumference = $2\pi r$**

Triangle **Area =** $\frac{1}{2} base \times height$ **Pythagoras** **$a^2 + b^2 = c^2$**

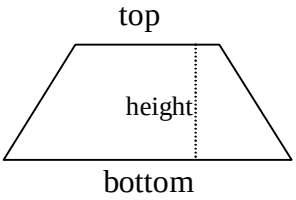
SOH – CAH – TOA $\sin = \frac{opp}{hyp}$ $\cos = \frac{adj}{hyp}$ $\tan = \frac{opp}{adj}$

Rectangle **Area = Base x Height** **Perimeter = 2(Base + Height)**

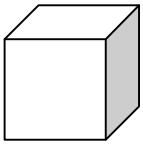
Parallelogram **Area = Base x Height**



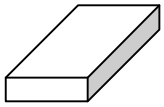
Trapezoid $Area = \frac{bottom + top}{2} \times height$



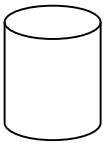
Cube **Volume = s^3**



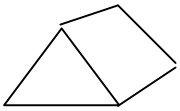
Box **Volume = W x L x H**



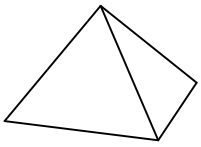
Cylinder **Volume = $\pi r^2 H$**



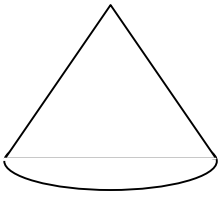
Prism $Volume = \frac{W L H}{2}$



Pyramid $Volume = \frac{W^2 H}{3}$



Cone $Volume = \frac{p r^2 H}{3}$



(1) Use **equation editor** and **drawing tools** in MS Word to write all the formulas and draw all pictures above. But you should NOT write them in the same order as above – and not the same as another student. Be sure to **label** the diagrams (e.g. height, width, etc.) Save your page.

(2) Move things around and shrink them to fit all of it into a **half** page – it should still be readable and understandable.

(3) Save both pages in your folder on the Y:\Lab329\it9 server. Print both pages and give a copy to the teacher.