FORMULAE LIST

Circumference of a circle: $C=\pi d$

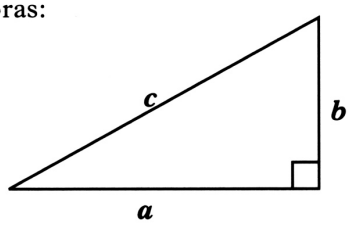
Area of a circle: $A=\pi r^2$

Curved surface area of a cylinder: $A=2\pi rh$

Volume of a cylinder: $V=\pi r^2 h$

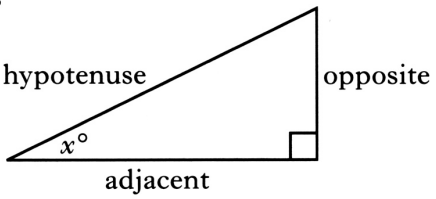
Volume of a triangular prism: $V=Ah$

Theorem of Pythagoras:



$a^2+b^2=c^2$

Trigonometric ratios in a right angled triangle:

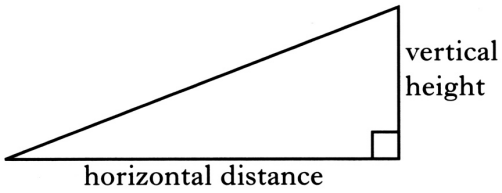


$$\tan x^\circ = \frac{\text{opposite}}{\text{adjacent}}$$

$$\sin x^\circ = \frac{\text{opposite}}{\text{hypotenuse}}$$

$$\cos x^\circ = \frac{\text{adjacent}}{\text{hypotenuse}}$$

Gradient:



$$\text{Gradient} = \frac{\text{vertical height}}{\text{horizontal distance}}$$