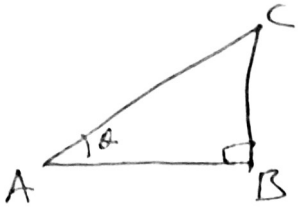
Nisbah Trigonometri



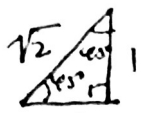
$\sin\theta = \frac{BC}{AC}$

$\cos\theta = \frac{AB}{AC}$

$\tan\theta = \frac{BC}{AB}$

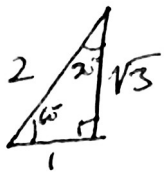
θ	$\sin\theta$	$\cos\theta$	$\tan\theta$
0°	0	1	0
90°	1	0	∞
	↑	↓	↑

Ingat Gambarajah!



$\sin 45^\circ = \frac{1}{\sqrt{2}}$ $\cos 45^\circ = \frac{1}{\sqrt{2}}$

$\tan 45^\circ = 1$



$\sin 30^\circ = \frac{1}{2}$

$\cos 30^\circ = \frac{\sqrt{3}}{2}$

$\tan 30^\circ = \frac{1}{\sqrt{3}}$

$\sin 60^\circ = \frac{\sqrt{3}}{2}$

$\cos 60^\circ = \frac{1}{2}$

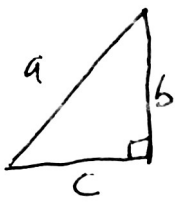
$\tan 60^\circ = \sqrt{3}$

Mencari Sudut...

$\sin\theta = \frac{a}{b}$; $\theta = \sin^{-1}\left(\frac{a}{b}\right)$

$\cos\theta = \frac{a}{b}$; $\theta = \cos^{-1}\left(\frac{a}{b}\right)$

$\tan\theta = \frac{a}{b}$; $\theta = \tan^{-1}\left(\frac{a}{b}\right)$



* Teorem Pythagoras.

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

$a = \sqrt{b^2 + c^2}$

or $b = \sqrt{a^2 - c^2}$