Trigonometri

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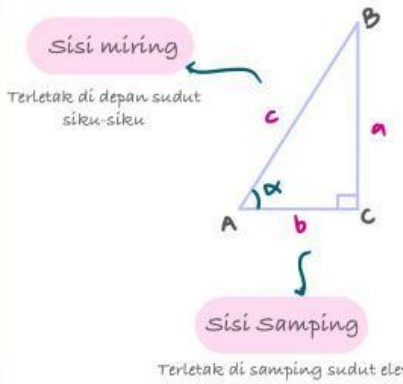
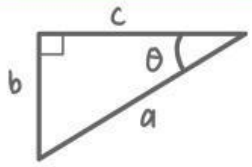


$a = \sqrt{c^2 - b^2}$

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

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

Quiz 1

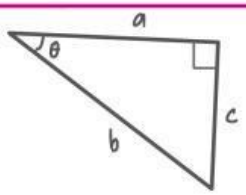


Sisi depan =

Sisi samping =

Sisi miring =

Quiz 2

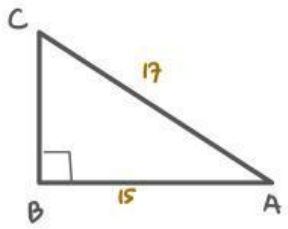


a = Sisi...

b = Sisi...

c = Sisi...

Quiz 3



Panjang BC = . . .

Ukuran Sudut

Ukuran Sudut
- Derajat (°)
- Radian (π rad)

π Radian = 180°

$1^\circ = \frac{\pi}{180}$

Quiz 4

1.) 2π rad = . . . °

2.) $\frac{3}{4}\pi$ rad = . . . °

3.) 90° = . . . π

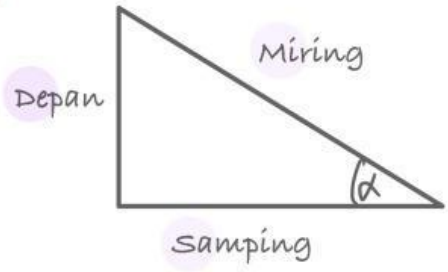
4.) 540° = . . . π

Trigonometri

Perbandingan Trigonometri pada Segitiga Siku-Siku

Istilah Penamaan Trigonometri

Sin = sinus
Cos = cosinus
Tan=tangen
Csc=kosekan
Sec = Sekan
Cot = kotangen



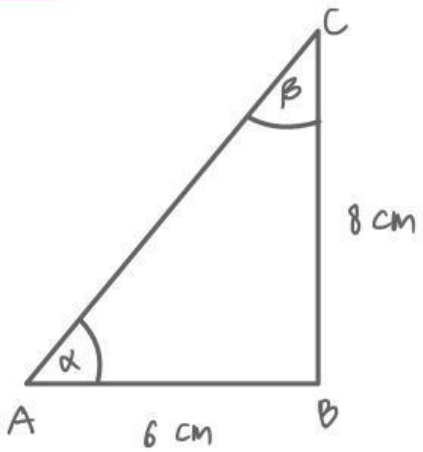
$\sin \alpha = \frac{De}{Mi}$ $\quad \csc \alpha = \frac{Mi}{De}$

$\cos \alpha = \frac{Sa}{Mi}$ $\quad \sec \alpha = \frac{Mi}{Sa}$

$\tan \alpha = \frac{De}{Sa}$ $\quad \cot \alpha = \frac{Sa}{De}$

Sin de mi
Cos sa mi
tan de sa

Quiz 4



Panjang sis AC :

$AC = \sqrt{AB^2 + BC^2}$

$= \sqrt{6^2 + \ldots^2}$

$= \sqrt{36 + \ldots}$

$= \sqrt{\ldots}$

$= \ldots$ cm

$\sin \alpha = \frac{De}{Mi} = \frac{BC}{AC} = \frac{8}{\ldots} = \frac{4}{\ldots}$

$\cos \alpha = \frac{Sa}{Mi} = \frac{AB}{AC} = \frac{\ldots}{\ldots} = \frac{\ldots}{\ldots}$

$\tan \alpha = \frac{De}{Sa} = \frac{BC}{AB} = \frac{\ldots}{\ldots} = \frac{\ldots}{\ldots}$

$\sin \beta = \frac{De}{Mi} = \frac{\ldots}{AC} = \frac{\ldots}{\ldots} = \frac{\ldots}{\ldots}$

$\cos \beta = \frac{Sa}{Mi} = \frac{BC}{\ldots} = \frac{\ldots}{\ldots} = \frac{\ldots}{\ldots}$

$\tan \beta = \frac{De}{Sa} = \frac{\ldots}{\ldots} = \frac{\ldots}{\ldots} = \frac{\ldots}{\ldots}$