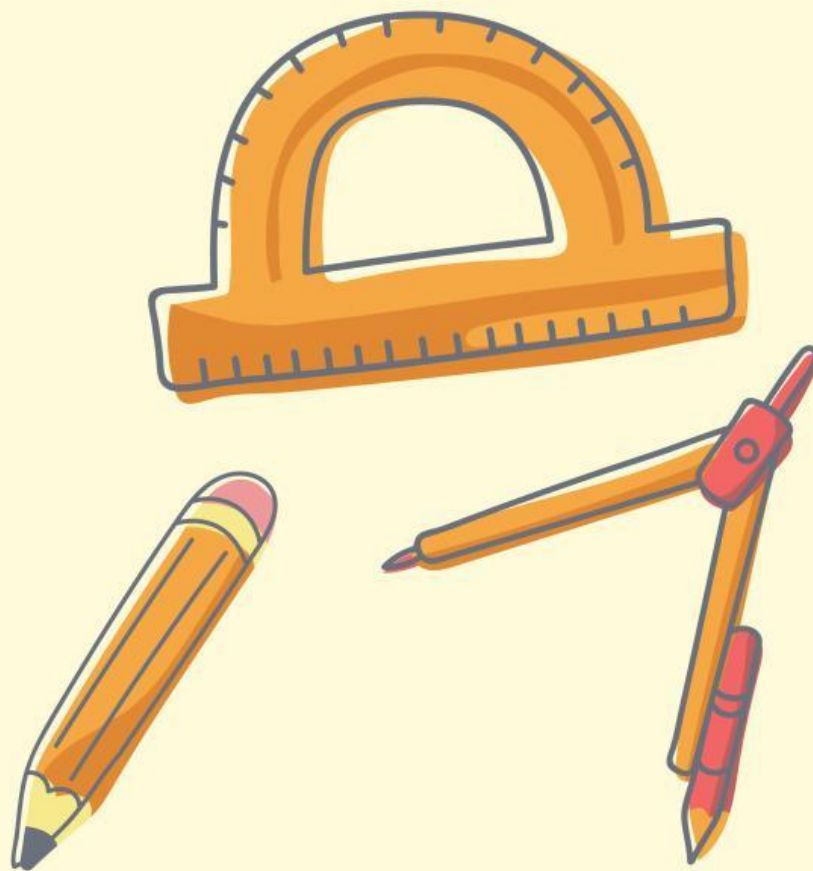


Trigonometri

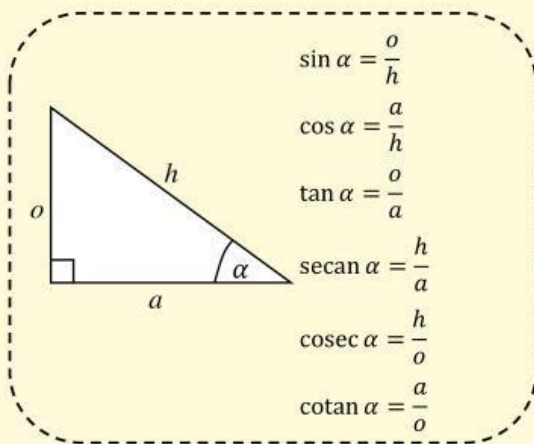


Nama: _____

Kelas: _____

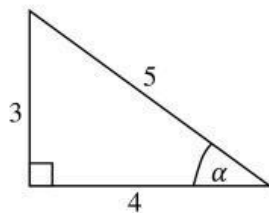
No. Absen: _____

Menentukan nilai sinus dan cosinus dari sebuah segitiga siku-siku yang sudutnya diketahui



Contoh:

Tentukan nilai **sinus, cosinus, dan tangen** dari segitiga siku-siku berikut!



Penyelesaian:

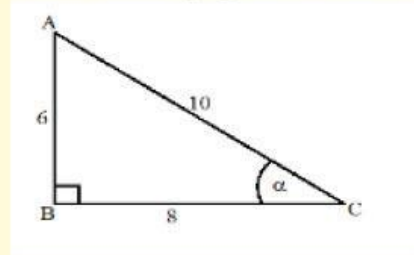
$$\sin \alpha = \frac{3}{5}, \quad \cos \alpha = \frac{4}{5}, \quad \tan \alpha = \frac{3}{4}$$

$$\csc \alpha = \frac{5}{3}, \quad \sec \alpha = \frac{5}{4}, \quad \cot \alpha = \frac{4}{3}$$

Latihan!

Carilah nilai **sinus, cosinus, tangen, secan, cosec dan cotan** dari segitiga berikut ini!

1)



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

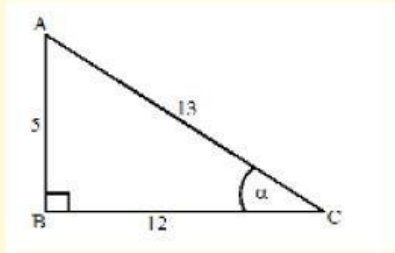
$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$

2)



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

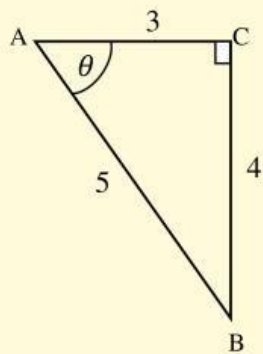
$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$

3)



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

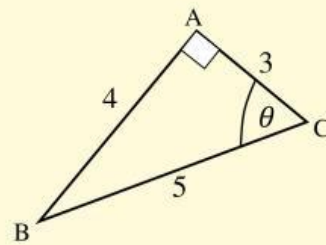
$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$

4)



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

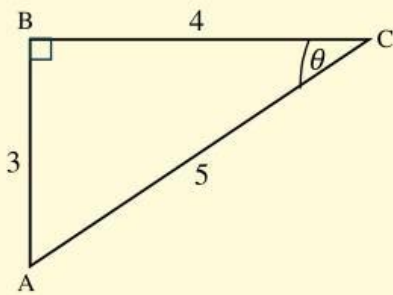
$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$

5)



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

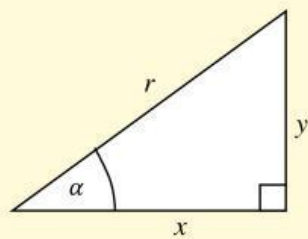
$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$

6.



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

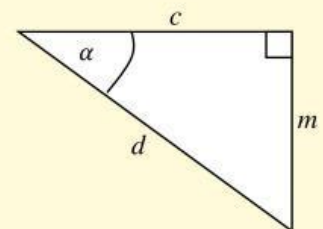
$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$

7.



$$\sin \alpha = \frac{\dots}{\dots}$$

$$\cos \alpha = \frac{\dots}{\dots}$$

$$\tan \alpha = \frac{\dots}{\dots}$$

$$\sec \alpha = \frac{\dots}{\dots}$$

$$\csc \alpha = \frac{\dots}{\dots}$$

$$\cot \alpha = \frac{\dots}{\dots}$$