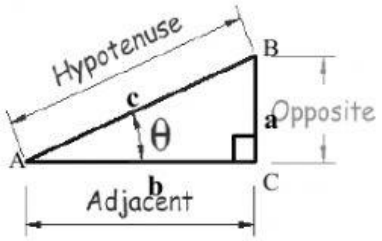
Nama : _____
Kelas : _____

LKPD Perbandingan Trigonometri pada Segitiga Siku-siku

1. Sinus, Kosinus dan Tangen pada Segitiga Siku-Siku



$\text{sinus } \theta = \sin\theta = \frac{BC}{AB} = \frac{a}{c}$ (***sindemi***)

$\text{kosinus } \theta = \cos\theta = \frac{AC}{AB} = \frac{b}{c}$ (***kossami***)

$\text{tangen } \theta = \tan\theta = \frac{BC}{AC} = \frac{a}{b}$ (***tandesa***)

a) $\tan\theta = \frac{\sin\theta}{\cos\theta}$

b) $\text{kosekan } \theta = \text{cosec } \theta = \frac{1}{\sin\theta}$

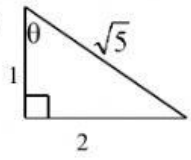
c) $\text{sekan } \theta = \sec\theta = \frac{1}{\cos\theta}$

d) $\text{kotangen } \theta = \cot\theta = \frac{1}{\tan\theta}$

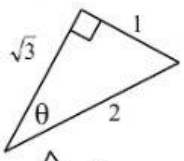
LATIHAN

Tentukanlah nilai perbandingan trigonometri yang sesuai dari sudut θ pada tiap gambar berikut:

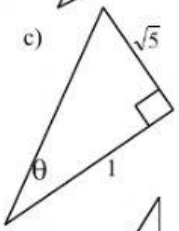
a)



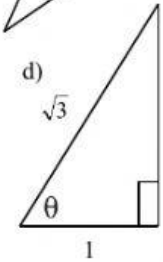
b)



c)



d)



$\cot\theta = \frac{1}{5}\sqrt{5}$ $\cos\theta = \frac{1}{5}\sqrt{5}$

$\cos\theta = \frac{1}{3}\sqrt{3}$ $\tan\theta = \frac{1}{3}\sqrt{3}$

$\cot\theta = \frac{1}{2}$ $\sin\theta = \frac{1}{2}$

$\tan\theta = \sqrt{5}$ $\sec\theta = \sqrt{3}$

By Pungky Rahmawati, S.Pd

LIVEWORKSHEETS