LKPD
Trigonometri-2

NAMA:

KELAS:

LIVEWORKSHEETS

A. Isi dengan cara tarik lepas.

1. sin A cos A =

2. $\frac{1}{2}$ (sin A + sin B) =

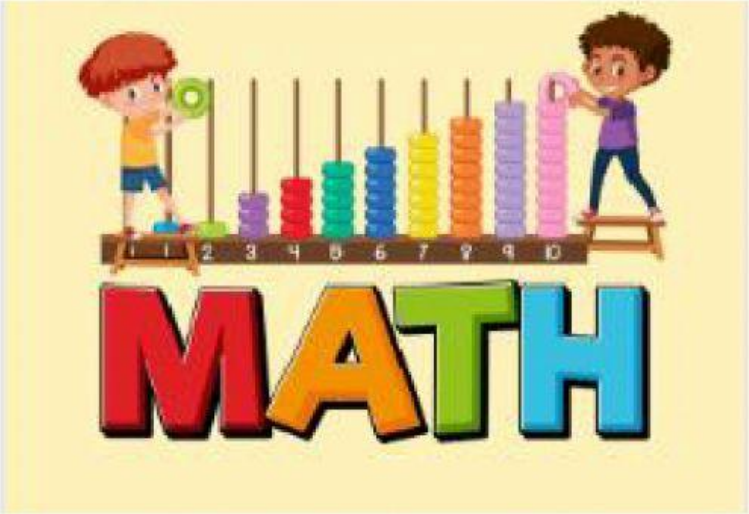
3. cos A – cos B =

4. cos A . cos B =

5. Cos^2A =

6. Sin^2A =

$\frac{1}{2}(Cos(A+B)+Cos(A-B))$	$-2(Sin\frac{1}{2}(A+B)+Sin\frac{1}{2}(A-B))$
$\frac{1+Cos\,2A}{2}$	$\frac{1}{2}\,Sin\,2A$
$Sin\,\frac{1}{2}(A+B)\cdot Cos\frac{1}{2}(A-B)$	$\frac{1-Cos\,2A}{2}$



LIVEWORKSHEETS

B. Isi dengan cara tarik garis

1. $\text{Cos}^2\ 30^\circ - \text{Sin}^2\ 30^\circ =$ ● ● 1
2. $\dfrac{2\tan 22,5^0}{1-\tan^2 22,5^0} =$ ● ● $\frac{1}{2}\sqrt{6}$
3. $\text{Sin } 15^\circ . \text{Cos } 15^\circ =$ ● ● $\frac{1}{2}$
4. $\text{Cos } 105^\circ - \text{Cos } 15^\circ =$ ● ● $\frac{1}{2}\sqrt{3}$
5. $\text{Cos}^4\ 15^\circ - \text{Sin}^4\ 15^\circ =$ ● ● $\frac{1}{4}$

C. Pilih A, B, C, D, atau E pada kotak yang tersedia.

1. $\text{Cos } (A+B) = \frac{1}{2}\text{ Cos } A + \frac{1}{2}\sqrt{3}\text{ Sin } A$

   Dengan demikian maka ....

   A. $B = 60^\circ$
   B. $B = -60^\circ$
   C. $B = 30^\circ$
   D. $B = -30^\circ$
   E. $B = 0,5$

LIVEWORKSHEETS

2. Jika A+B = 45° maka tan A = ...

A. $\frac{1+\tan B}{1-\tan B}$

B. 1 – tan B

C. 1

D. $\frac{1-\tan B}{1+\tan B}$

E. 1 + tan B

3. Jika Sin 2x = p maka Sin x + Cos x =

A. $1+\sqrt{p}$

B. $1-\sqrt{p}$

C. $\sqrt{1-p}$

D. $\sqrt{1+p}$

E. $1-p^2$

4. tan 75° + tan 15° = ...

A. 1

B. 2

C. 3

D. 4

E. 5

LIVEWORKSHEETS

5. $\frac{\sin 70^0 + \cos 80^0}{\cos 50^0} = ...$

A. 0

B. $\frac{1}{2}$

C. $\frac{1}{2}\sqrt{2}$

D. $\sqrt{2}$

E. $\sqrt{3}$

LIVEWORKSHEETS