

LKPD

Trigonometri-2

NAMA:

KELAS:



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. $\cos A \cdot \cos B =$

5. $\cos^2 A =$

6. $\sin^2 A =$

$$\frac{1}{2}(\cos(A+B) + \cos(A-B))$$

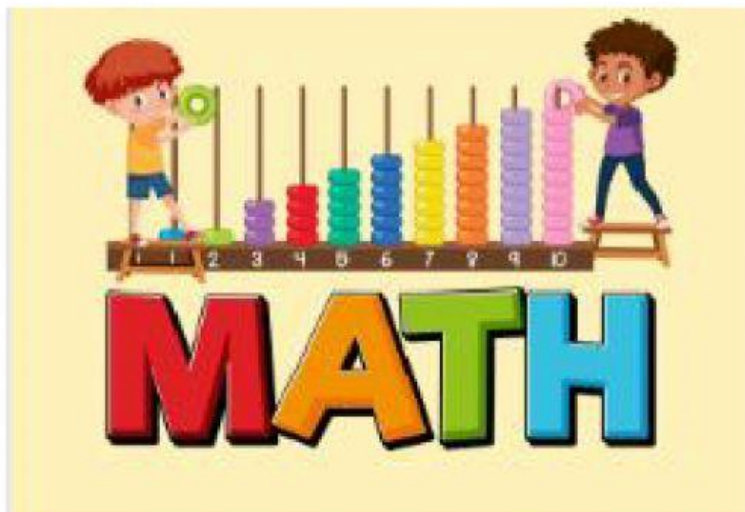
$$-2\left(\sin\frac{1}{2}(A+B) + \sin\frac{1}{2}(A-B)\right)$$

$$\frac{1 + \cos 2A}{2}$$

$$\frac{1}{2} \sin 2A$$

$$\sin\frac{1}{2}(A+B) \cdot \cos\frac{1}{2}(A-B)$$

$$\frac{1 - \cos 2A}{2}$$



B. Isi dengan cara tarik garis

- | | | | |
|--|-----------------------|-----------------------|-----------------------|
| 1. $\cos^2 30^\circ - \sin^2 30^\circ =$ | ☐ | ☐ | 1 |
| 2. $\frac{2 \tan 22,5^\circ}{1 - \tan^2 22,5^\circ} =$ | ☐ | ☐ | $\frac{1}{2}\sqrt{6}$ |
| 3. $\sin 15^\circ \cdot \cos 15^\circ =$ | ☐ | ☐ | $\frac{1}{2}$ |
| 4. $\cos 105^\circ - \cos 15^\circ =$ | ☐ | ☐ | $\frac{1}{2}\sqrt{3}$ |
| 5. $\cos^4 15^\circ - \sin^4 15^\circ =$ | ☐ | ☐ | $\frac{1}{4}$ |

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

1. $\cos (A+B) = \frac{1}{2} \cos A + \frac{1}{2} \sqrt{3} \sin A$

Dengan demikian maka

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

2. Jika $A+B = 45^\circ$ maka $\tan A = \dots$

- 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. $\tan 75^\circ + \tan 15^\circ = \dots$

- A.** 1
- B.** 2
- C.** 3
- D.** 4
- E.** 5

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

A. 0

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

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

D. $\sqrt{2}$

E. $\sqrt{3}$

