

TRIGONOMETRI

PILIHAN GANDA
(PILIH SATU JAWABAN YANG BENAR)

$$(\tan \alpha + \cot \alpha) \cos^2 \alpha =$$

- A $\sin \alpha$
- B $\cos \alpha$
- C $\cot \alpha$

$$1 + \cot^2 \alpha =$$

- A $\operatorname{cosec}^2 \alpha$
- B $1 - \operatorname{cosec}^2 \alpha$
- C $1 - \cos^2 \alpha$

$$1 - 2 \sin^2 \beta =$$

- A $\frac{2 - \sec^2 \beta}{\sec^2 \beta}$
- B $\frac{1}{\cos^2 \beta}$
- C $\frac{2 - \cos^2 \beta}{\sin^2 \beta}$

$$\tan^2 \alpha - \tan^2 \beta =$$

- A $\frac{\sin^2 \alpha}{\cos^2 \alpha \cdot \cos^2 \beta}$
- B $\frac{\sin^2 \alpha - \sin^2 \beta}{\cos^2 \alpha \cdot \cos^2 \beta}$
- C $\frac{2 \sin^2 \alpha}{\cos^2 \alpha \cdot \cos^2 \beta}$

TRIGONOMETRI

MENJODOHKAN
(GESER JAWABAN KE BAWAH SOAL)

$$\operatorname{cosec}^2 x =$$

$$\frac{1 - 2\cos^2 x}{\sin x \cdot \cos x}$$

$$\tan x - \cot x =$$

$$\frac{1 - \sin x}{1 + \sin x}$$

$$\sin 2x =$$

$$\frac{\sin^4 x + \cos^2 x}{\sin^2 x} + \cos^2 x$$

$$(\sec x - \tan x)^2 =$$

$$\frac{2 \tan x}{1 + \tan^2 x}$$

TRIGONOMETRI

BENAR SALAH
(PILIH BENAR JIKA PERNYATAAN BENAR
DAN SALAH JIKA PERNYATAAN SALAH)

$$(\sin x - \cos x)^2 = 1 - \sin 2x$$

Benar

Salah

$$1 + \cot^2 \alpha = \operatorname{cosec}^2 \alpha$$

Benar

Salah

$$(\tan \beta + \cot \beta) \sin^2 \beta = \cot \beta$$

Benar

Salah

$$4 \cos^2 x - 2 \sin^2 x = 2 \cos^2 x$$

Benar

Salah

$$\tan x \cdot \cos x + \cos x = \sec x$$

Benar

Salah

$$\cot^2 y \cdot \cos^2 y = \cot^2 y - \cos^2 y$$

Benar

Salah