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 $cosec^2\, \alpha$

B $1 - cosec^2\, \alpha$

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 $\frac{2 - cos^2}{sin^2\beta}$

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

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 $\frac{2\, sin^2\alpha}{cos^2\alpha \cdot cos^2\beta}$

LIVEWORKSHEETS

TRIGONOMETRI

MENJODOHKAN
(GESER JAWABAN KE BAWAH SOAL)

$cosec^2 x =$

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

$tan\ x - cot\ x =$

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

$sin\ 2\ x =$

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

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

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

LIVEWORKSHEETS

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

LIVEWORKSHEETS