SMA Fransiskus 2 Jakarta

MATEMATIKA

Ribka Yunita

Nama :

Kelas :

Hari/Tgl :

I. Klik dan tarik jawaban dengan tepat

1. Sin (a – b) =
2. Cos (a + b) =
3. Tan (a – b) =
4. $1 + \text{Cot}^2 a$ =
5. Cot a =
6. Sin (a + b) – Sin (a – b) =
7. Tan 2a =
8. Cos (a + b) – Cos (a – b) =
9. Cos 2a =
10. Sin 2a =

$\sin\alpha\cos\beta + \cos\alpha\sin\beta$

$\frac{\tan\alpha + \tan\beta}{1-\tan\alpha\ \tan\beta}$

$\cos\alpha\cos\beta + \sin\alpha\sin\beta$

$\frac{\tan\alpha - \tan\beta}{1+\tan\alpha\ \tan\beta}$

$\sin\alpha\cos\beta - \cos\alpha\sin\beta$

$\frac{1}{\tan\alpha}$

$\cos\alpha\cos\beta - \sin\alpha\sin\beta$

$\csc^2\alpha$

$\frac{2\tan\alpha}{1-\tan^2\alpha}$

$\frac{\sin\alpha}{1+\cos\alpha}$

$1 - 2\sin^2\alpha$

$2\sin\alpha\cos\alpha$

$2\cos\alpha\cos\beta$

$-2\sin\alpha\sin\beta$

$2\cos\alpha\sin\beta$

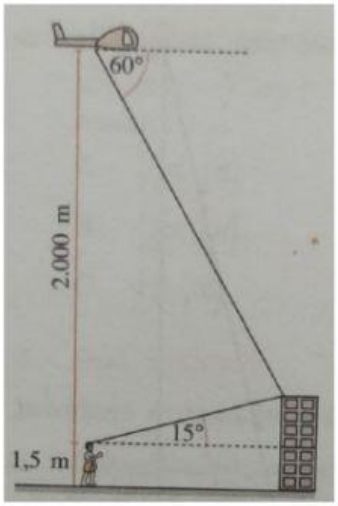
II. Jawablah dengan jelas dan tepat

1. Hitunglah Cos $(\frac{1}{4}\pi - 0)$ Cos $(\frac{1}{4} + 0)$ – Sin $(\frac{1}{4}\pi - 0)$ Sin $(\frac{1}{4}\pi + 0)$
   = [ ]

2. $\frac{1-Cos\ 2a}{Sin\ 2a}$ = [ ]

3. 2 Sin a Cos 3a = [ ]

4. Sin 34^0 + sin 26^0 = [ ] o

5. 

Perhatikan gambar
Maka tinggi Gedung bertingkat tersebut adalah
[$\sqrt{3}$]