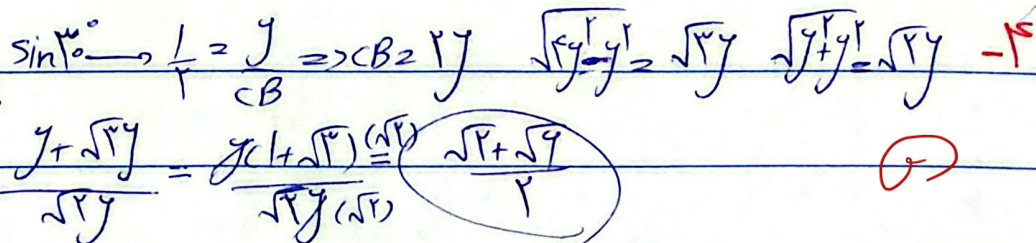


Terbiji

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

$\tan 45^\circ = \frac{\sqrt{2}}{\sqrt{2}} \rightarrow \frac{AH}{HC} = \frac{AH}{2\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}} \rightarrow AH = \sqrt{2}\sqrt{2}$
 $\sin B = \frac{\sqrt{2}\sqrt{2}}{\sqrt{2}\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2} \rightarrow 45^\circ$

ب) $\tan 45^\circ = \sqrt{3} \Rightarrow \frac{BC}{1} = \sqrt{3} \Rightarrow BC = \sqrt{3}$ $DC = \sqrt{1^2 + 1} = \sqrt{2}$, $\sin \alpha = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$



$$s = \frac{1}{r} \sin \alpha AB \quad \hat{B}_1 = \hat{B}_r \quad \frac{\Delta ABE}{\Delta CBD} = \frac{r \times r}{r \times r} = \frac{r}{r} \quad (7) - \Delta$$

الف $4 \times 3 \times \sqrt{3} = 9\sqrt{3} \rightarrow S = 9\sqrt{3}$

ب $\frac{1}{4} \times 3 \times 4 \times \sin 110^\circ = 3\sqrt{3} \rightarrow S = 3\sqrt{3}$

$\tan \theta = \frac{1}{1} \rightarrow \frac{1-1}{1-(-1)} = \frac{1}{1} = 1 \rightarrow \tan \theta = 1 = 1 + \tan \theta$ -✓

$\frac{1}{\cos \theta} = 1 + \frac{1}{1} = \frac{2}{1} \rightarrow \cos \theta = \frac{1}{2} \Rightarrow \cos \theta = \frac{1}{2} = \frac{\cos \theta}{1} = \frac{1 \times 1}{1}$

$y = x + \frac{a}{p} \rightarrow \tan = 1 \rightarrow 45^\circ \quad 110^\circ - (10^\circ + 45^\circ) = 55^\circ$ -1

$\tan 55^\circ = \frac{y}{x} \Rightarrow x = \frac{y}{\tan 55^\circ} = \frac{a}{\sqrt{3}} \quad 0 = \sqrt{3}x + a\sqrt{3} + b \rightarrow b = -a\sqrt{3}$
 $m = \sqrt{3} \quad mb = \frac{a}{\sqrt{3}} \times -\sqrt{3} = -a$

$-\cos\left(\frac{5\pi}{4}\right) + \cos\left(\frac{5\pi}{4}\right) - (-\cot\left(\frac{5\pi}{4}\right)) = \cot\left(\frac{5\pi}{4}\right) = -\frac{\sqrt{3}}{1} = -\frac{\sqrt{3}}{1}$ -1

$\frac{\cos x - \sin x}{-\cos x + \sin x} = -\frac{(-\cos x + \sin x)}{-\cos x + \sin x} = -1$ 1.