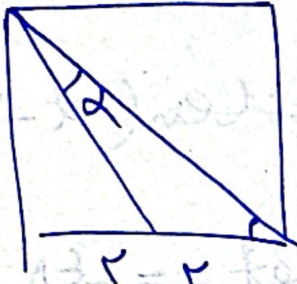


$$S = \frac{1}{2} \times 4 \times \sqrt{5} \times \sin \alpha = \frac{4}{2}$$

(1)

$$\sin \alpha = \frac{\sqrt{5}}{2} \begin{cases} \alpha = 110^\circ \\ \alpha = 40^\circ \end{cases}$$

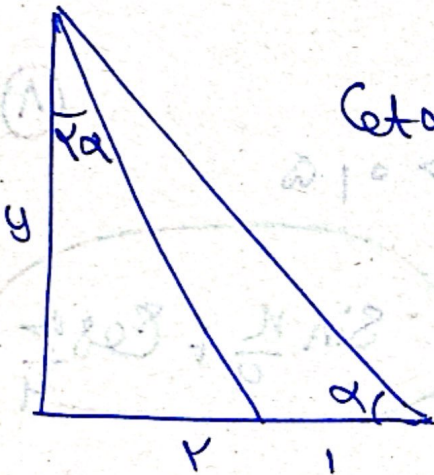
نوسین اریب



$$\tan(\alpha + 45^\circ) = \frac{\tan \alpha + 1}{-\tan \alpha + 1} = 2$$

(2)

$$\cot \alpha = 2$$



$$\cot \alpha = \frac{y}{1}$$

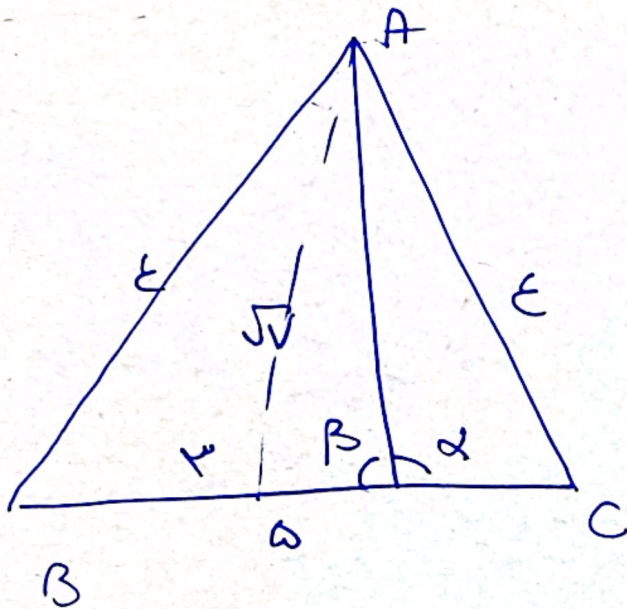
(3)

$$\cot^2 \alpha = \frac{\cot^2 \alpha - 1}{2 \cot \alpha} = \frac{y}{2}$$

$$4 - y^2 = 4y^2$$

$$y = \frac{2}{3} \quad \cot \alpha = 2$$

نوشته اريد



$$\tan \alpha = -\tan \beta = -\frac{\sqrt{3}}{1}$$

$$\gamma \sin \gamma + \epsilon \cos \gamma = \frac{\sqrt{3}}{1} + \epsilon \cos \gamma$$

$$\gamma \sin \gamma + \gamma \cos \gamma - \epsilon \cos \gamma = \frac{\sqrt{3}}{1}$$

$$\cos \gamma = \frac{\gamma}{1} \quad \sin \gamma = \frac{1}{1}$$

$$\frac{\sin \gamma + \gamma \cos \gamma + \epsilon}{1 + \cos \gamma} = \frac{\cos \epsilon + \epsilon \sin \epsilon - \epsilon}{1 + \sin \epsilon}$$

$$\gamma - \sin \alpha - \gamma + \cos \frac{\gamma}{1} \alpha = \cos \alpha$$

$$\tan \alpha = \frac{r}{R}$$

$$\pi < \alpha < \frac{3\pi}{2}$$

(V)

نوسیدار

$$1 + \tan^2 = \frac{1}{\cos^2}$$

$$\frac{r^2}{R^2}$$

$$-\frac{r}{R} \Rightarrow \sin = -\frac{r}{R}$$

$$\sin\left(\frac{4\pi}{r} + \alpha\right) \cos\left(\frac{\sqrt{r}}{r} - \alpha\right) - \tan\left(\alpha - \frac{3\pi}{r}\right)$$

$$-\cos \alpha \times \sin \alpha + \tan \alpha = \frac{-E_1 + V_0}{100}$$

(0, 2V)

$$\psi \cos \epsilon \kappa + \sqrt{r} \sin \kappa - \sqrt{r} \sin \kappa \rightarrow 0, 10$$

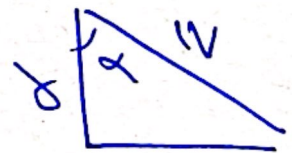
(A)

$$\sqrt{r} \sin\left(\frac{\pi}{4} - \frac{\pi}{4}\right) = \sqrt{r} \sin \frac{\omega \kappa}{1r}$$

$$\sin \frac{\kappa}{4} + \cos \frac{\omega \kappa}{4}$$

$$\tan\left(\frac{\alpha}{r}\right) = \frac{1}{c}$$

$$\frac{\tan \alpha - \sin \alpha}{\sin \alpha - \cos \alpha}$$



(A)

$$\alpha = \tan\left(\frac{\alpha}{r} + \frac{\alpha}{r}\right) = \frac{1}{10}$$

(A) 10, 10, 10

$$\frac{\frac{1}{10} - \frac{1}{10}}{\frac{1}{10} - \frac{10}{10}} = \frac{14}{-100}$$

$$y \sin \alpha < y \sin \alpha \cos \alpha \quad \rightarrow \quad \begin{cases} \sin \alpha < 0 \\ \cos < 1 \end{cases}$$

$$\sin \alpha > 0 \quad \cos < 1 \quad \times$$

$$\frac{\cos \alpha}{\sin \alpha} > 0$$

$$\cos \alpha > 0 \quad \rightarrow \quad \text{ناممکن}$$

نوٹس: اردو - یازمہ

⑤