

$$S = \frac{1}{2} \times r \times r \times \sin \alpha = \frac{r^2}{2}$$

19, 5

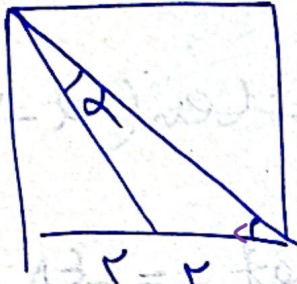
1

$$\sin \alpha = \frac{\sqrt{2}}{r} \begin{cases} \alpha = 45^\circ \\ \alpha = 135^\circ \end{cases}$$

1, 170

نوسین اریب

$$\frac{\text{مخرج}}{\text{مخرج}} = r$$

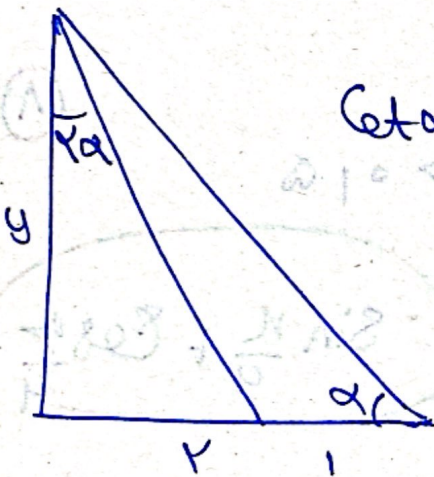


$$\tan(\alpha + 45^\circ) = \frac{\tan \alpha + 1}{-\tan \alpha + 1} = r$$

2

$$\cot \alpha = r$$

5



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

3

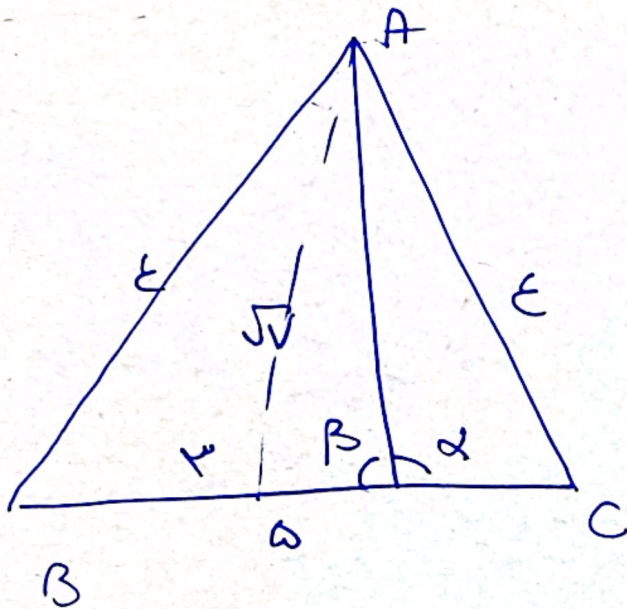
$$\cot^2 \alpha = \frac{\cot^2 \alpha - 1}{r \cot \alpha} = \frac{y}{r}$$

6

$$y - y^2 = r^2 y^2$$

$$y = \frac{r}{r} \quad \cot \alpha = r$$

نوشته اريد



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

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$$Y \sin \varphi + C \cos \varphi = \frac{\sqrt{3}}{1} + C \cos \varphi$$

(1, √3)

$$Y \sin \varphi + Y \cos \varphi - C \cos \varphi = \frac{\sqrt{3}}{1}$$

$$\cos \varphi = \frac{Y}{1}$$

$$\sin \varphi = \frac{1}{1}$$

$$\tan \varphi = \frac{1/\frac{1}{1}}{1/\frac{1}{1}} = \frac{1}{1}$$

$$\frac{\sin \varphi + Y \cos \varphi + \varepsilon}{1 + C \cos \varphi} = \frac{C \cos \varepsilon + \varepsilon \sin \varphi - \varepsilon}{1 + \sin \varphi}$$

$$Y - \sin \alpha - Y + C \cos \alpha = C \cos \alpha$$

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

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

(V)

نوسیدار

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

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

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

(F)

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

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

(0, 2V)

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

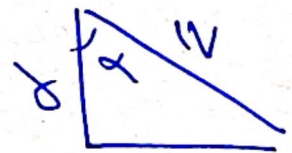
(A)

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

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

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

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



(A)

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

(A) 10, 10, 10

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

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

$$\sin \alpha > 0 \quad \cos \alpha < 1 \quad \times \quad \text{D}$$

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

نوٹس: اردو - یازمہ

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