

$\frac{r}{q} \times \lambda_0 = \lambda_0$	$\frac{\lambda_0}{13} \times \lambda_0 = \frac{\lambda_0^2}{13}$	$\frac{13\delta}{13} = \frac{13\delta}{13}$ $\frac{13\delta}{13} \times \pi = \frac{13\delta\pi}{13}$ Rad	بازن درجہ اولیٰ $\frac{13}{13} = \frac{13}{13}$ $\frac{13}{13} \times \pi = \frac{13\pi}{13}$ Rad
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$$10a, \frac{13\delta a}{9} G, \frac{a\pi}{\lambda} \text{ Rad} \Rightarrow \frac{13\delta a}{9} = \frac{\delta a}{13} \times \lambda_0 = 13\delta a$$

$$\frac{\frac{a\pi}{\lambda}}{\frac{a}{1}} = \frac{a}{\lambda} \times \lambda_0 = 13\delta a$$

$$10a + 13\delta a + 13\delta a = \lambda_0$$

$$\epsilon \delta a = \lambda_0$$

$a = \epsilon$

$$\frac{\frac{1}{\epsilon} + 1 + r}{\sqrt{r} - \frac{1}{\sqrt{r}}} = \frac{\frac{13}{r}}{\frac{r}{\sqrt{r}}} = \frac{13\sqrt{r}}{r}$$

$$\frac{r-1}{\sqrt{r}} = \frac{r}{\sqrt{r}}$$

$$\left(\frac{1}{r} \times \frac{\sqrt{r}}{r}\right) - \left(\frac{\sqrt{r}}{r} \times \frac{1}{r}\right) - 1 + r = 1$$

$$\frac{\sqrt{r}}{r} - \frac{\sqrt{r}}{r} + 1 = 1$$

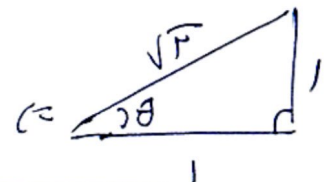
$$0 < \theta < 90^\circ \quad - \sin r_0 \cdot \cos 90^\circ + \cos r_0 \cdot \sin 90^\circ = \sin r\theta$$

$$\left(-\frac{1}{r} \times \frac{1}{r}\right) + \left(\frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{r}\right) = -\frac{1}{r} + \frac{r}{r} = \frac{r}{r} = \frac{1}{r}$$

$$\sin r\theta = \frac{1}{r} \quad \sin \theta = \frac{1}{\sqrt{r}}$$

$$\tan \theta = \frac{1}{\sqrt{r}}$$

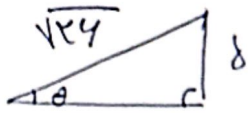
$\theta = \epsilon_0$



$$\frac{r \tan r_0 (1 - \tan^2 r_0)}{(1 - \cot^2 r_0)^2}$$

$$= \frac{\frac{r}{\sqrt{r}} \times \frac{1}{r}}{\left(\frac{1}{r}\right)^2} = \frac{\frac{r}{\sqrt{r}}}{\frac{1}{r}} = \sqrt{r}$$

$$\tan \theta = \sqrt{r} \Rightarrow \theta = 45^\circ \Rightarrow \frac{1}{r}$$

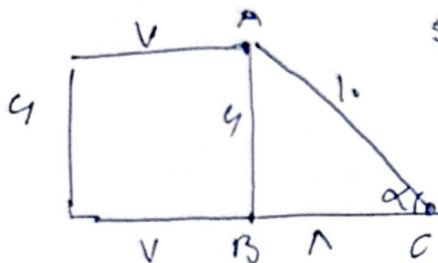


$$\sin \theta = \frac{1}{\sqrt{4}}$$

$$\cos \theta = \frac{\delta}{\sqrt{4}}$$

$$\left(\frac{\sqrt{4} \cdot \delta}{\sqrt{4}} \right) - \frac{1}{\sqrt{4}} = \frac{\frac{1\delta}{\sqrt{4}}}{\frac{1}{\sqrt{4}}} = 1\delta$$

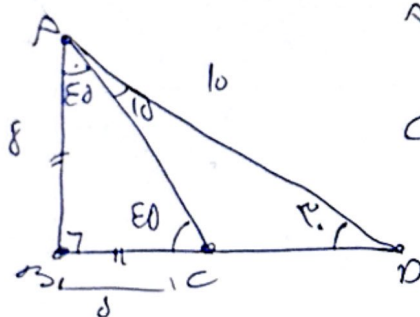
(4)



$$\sin \theta = \frac{4}{10} = \frac{4}{10} \quad AC = 10 \quad BC = 4$$

$$P = 1 + 1\delta + 4 + 1 = 1\delta$$

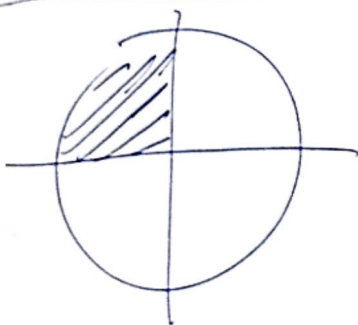
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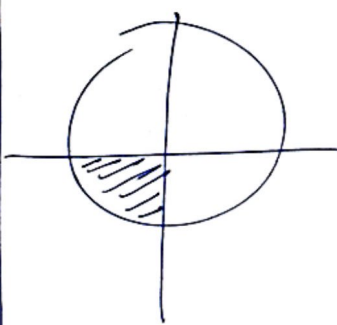
$$AB = \frac{1}{\sqrt{e}} \times 10 = 10 \quad BC = \sqrt{\frac{1}{e}} \times 10 = 10\sqrt{e}$$

$$CD = BD - BC \Rightarrow 10\sqrt{e} - 10 = 10(\sqrt{e} - 1)$$

(4)



$$\sin \theta$$



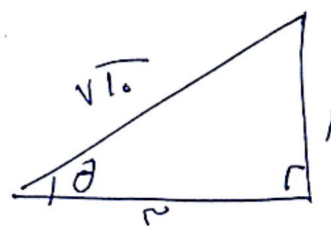
$$\cos \theta$$

(4)

$$\sin \theta \Rightarrow \cos, \sin < 0$$

$$\cot, \tan > 0$$

$$\sin \theta = \frac{-1}{\sqrt{10}}$$



(4)