

سیدان شہزاد احمد - دھرم پور - کلکتہ شہر ۱۷

a) $\frac{v_0}{v_0} \text{ rad}$ b) $\frac{v_0}{c^4}$ c) v_0° d) Λ_0° -1

$$\left. \begin{array}{l} \frac{a\omega}{n} \text{ rad/s}, \omega a^\circ \\ \frac{1\omega}{9} a G, 1\omega, \omega a^\circ \end{array} \right\} \begin{array}{l} 10a\omega, \omega a + 1\omega, \omega a \text{ s No.} \\ \rightarrow \omega a \text{ s No.} \rightarrow a \text{ s } \omega^\circ \end{array}$$

Ans) $\cos(45^\circ + 90^\circ) = \tan 45^\circ + 1 \cos 45^\circ$

$$5 \cos 90^\circ + 150 + 15 \text{ ✓}$$

$$\frac{\frac{1}{c} + 1 + \frac{1}{c}}{\sqrt{c} - \frac{\sqrt{c}}{c}} = \frac{\frac{2}{c} + 1}{\frac{c - \sqrt{c}}{c}} = \frac{2 + c}{c - \sqrt{c}} = \frac{2 + c}{\sqrt{c}(\sqrt{c} - 1)}$$

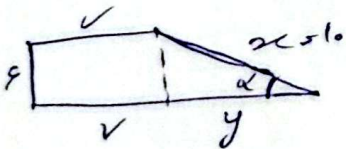
$$\sin(\theta_0 - \alpha) = \sin^r \alpha \Rightarrow \sin \theta_0 = \sin^r \alpha \Rightarrow \sin \alpha = \frac{\pm \sqrt{r}}{r}$$

$\Rightarrow \tan \alpha \leq \frac{1}{2} \rightarrow \alpha \leq \tan^{-1} \frac{1}{2} \Rightarrow \tan \alpha \leq \frac{1}{2}$

$$\frac{r \cos \epsilon_0 (1 - \cancel{\cos^2 \epsilon_0})}{(1 - \cos^2 \epsilon_0)} = \frac{r \cos \epsilon_0}{1 - \cos^2 \epsilon_0} = \frac{\frac{r \sqrt{c}}{c}}{\frac{r}{c}} = \sqrt{c}$$

$$\arctan(\sqrt{e}) = 4.0 \approx \frac{\pi}{2} \text{ rad}$$

$$\frac{r \sin \theta - \cos \theta}{\sin \theta - r \cos \theta} \times \frac{\frac{1}{r \cos \theta}}{\frac{1}{c \cos \theta}} = \frac{\tan \theta - \frac{1}{c}}{\frac{1}{c} \tan \theta - \frac{r}{c}} = \frac{c - \frac{1}{c}}{\frac{c}{c} - \frac{r}{c}} = \frac{c - \frac{1}{c}}{\frac{1}{c}} = \boxed{1r}^{-4}$$



$$(\sin x) x = 4 \Rightarrow \frac{4}{10} x = 4 \Rightarrow x = 10.$$

$y' + C_4 y^{1.057} y^5 \neq \lambda \Rightarrow$ ليس $V_5 Y_0 V + \lambda + 1.5 \neq \lambda$

$$AB = BC = AC (\cos(45^\circ)) = 10 \left(\frac{1}{\sqrt{2}}\right) = d$$

$$DC = BD - BC = 10(\sin 40^\circ) - 25 \left[2\sqrt{e} - 25 \sqrt{e-1} \right]$$

الف) $\sin \theta$ كاهن $\rightarrow$  $\cos \theta$ كاهن $\rightarrow$  $\rightarrow$  $\rightarrow$ كاهن $\sin$

-9

ب) $\sin \theta$ كاهن $\rightarrow$  $\cos \theta$ كاهن $\rightarrow$  $\rightarrow$  $\rightarrow$ كاهن $\sin$

$\frac{1}{\cos^2 \alpha} = 1 + \left(\frac{1}{\sin^2 \alpha}\right)^2 \Rightarrow \cos^2 \alpha = 0.1 \Rightarrow \sin^2 \alpha = 1 - 0.1 = 0.9$

-10

$\Rightarrow \sin \alpha = \left(\sqrt{\frac{1}{10}}\right)$

$\Rightarrow \sin \alpha = \frac{\sqrt{10}}{10}$