

پارسیس نی زاده ، دوازدهم دختر B 14 آئین تکلیف سال 15

$$\pi_C - \pi_A = T = \frac{\pi}{|1-\nu|} = \frac{\pi}{\nu} \quad (1)$$

$$(0, B) \rightarrow B = \tan\left(0 + \frac{\pi}{\epsilon}\right) = 1$$

$$S_{ABC}^{\Delta} = \frac{1}{\nu} \times \frac{\pi}{\nu} \times 1 = \frac{\pi}{\epsilon} = 0.1718$$

$$\left(\frac{\nu}{\mu}, 0\right) \rightarrow \frac{\epsilon}{9} - \frac{\nu}{\mu} \sin \alpha - \frac{1}{\epsilon} (1 - \sin^2 \alpha) = 0 \quad (2)$$

$$\left(\frac{1}{\epsilon} \sin^2 \alpha - \frac{\nu}{\mu} \sin \alpha + \frac{\nu}{\mu^2} = 0\right) \times \mu^2 \rightarrow 9 \sin^2 \alpha - \nu \epsilon \sin \alpha + \nu = 0$$

$$\rightarrow \sin^2 \alpha - \nu \epsilon \sin \alpha + \nu = 0 \quad (\sin \alpha - \nu)(\sin \alpha - \nu) = 0$$

$$\sin \alpha = \frac{1}{\mu}, \quad \frac{\nu}{\mu} \rightarrow \sin \alpha = \frac{1}{\mu}, \quad \cos \alpha = \frac{\sqrt{11}}{\mu}$$

$$1 + \tan^2 \alpha = \frac{1}{\cos^2 \alpha} = \frac{1}{\frac{11}{9}} = \frac{9}{11}$$

$$\log^{\sin \alpha} - \log^{-\cos \alpha} = \log^{\frac{\sin \alpha}{-\cos \alpha}} = \log^{\nu} \quad (3)$$

$$\Rightarrow \tan \alpha = -\nu$$

$$\log^{\sin \alpha} \rightarrow \sin \alpha > 0, \quad \log^{-\cos \alpha} \rightarrow \cos \alpha < 0$$

$$1 + \tan^2 = \frac{1}{\cos^2 \alpha} \Rightarrow \cos \alpha = \frac{-1}{\sqrt{11}}, \quad \sin \alpha = \frac{\nu}{\sqrt{11}}$$

$$\sin \alpha - \cos \alpha = \frac{\nu}{\sqrt{11}} - \left(\frac{-1}{\sqrt{11}}\right) = \frac{\epsilon}{\sqrt{11}} = \frac{\epsilon \sqrt{11}}{11} = \frac{\sqrt{11}}{1.8}$$

$$\sin^{\epsilon} \theta + \cos^{\nu} \theta = \sin^{\epsilon} \theta + (1 - \sin^2 \theta) = \frac{\epsilon}{8} \quad (4)$$

$$\sin^{\epsilon} \theta - \sin^2 \theta + \frac{1}{8} = 0 \rightarrow 8 \sin^{\epsilon} \theta - 8 \sin^2 \theta + 1 = 0$$

$$\sin^2 \theta = \frac{8 \pm \sqrt{64}}{16} \quad \rightarrow \sin^2 \theta = \frac{8 + \sqrt{64}}{16}$$

$$\cos^2 \theta = 1 - \frac{8 + \sqrt{64}}{16} = \frac{8 - \sqrt{64}}{16} \Rightarrow \cos^2 \theta = \frac{16 - 10\sqrt{2}}{160} = \frac{16 - \sqrt{2}}{10}$$

$$\cos^{\epsilon} \theta + \sin^{\nu} \theta = \frac{16 - \sqrt{2}}{10} + \frac{8 + \sqrt{64}}{16} = 0.1718$$

Date: _____

$$\frac{\sin n (r + \cos n)}{r (1 - \cos^r n)} = \frac{(r + \cos n)}{r \sin n} < 0 \Rightarrow \sin n < 0 \quad (2)$$

$$\frac{\sin^r n}{\cos n} - \frac{\sin^r n}{\cos n} = \frac{\sin^r n - 1}{\cos n} = -\cos^r n = -\cos n > 0 \Rightarrow \cos n < 0$$

لكل دالة اسم راير مثلي قرار دار

$$r \cos n + r^r \sin n = 0 \Rightarrow r \cos n + r^r \sin n = 0 \quad (1, r, 0)$$

$$\sin n \cos n = -\frac{r^r}{r} \sin n \quad \downarrow \div \sin n$$

$$\sin^r n + \cos^r n = \sin^r n + \frac{r}{r} \sin^r n = 1 \Rightarrow \frac{1}{r} \sin^r n = 1$$

$$\sin^r n = \frac{r}{1} \Rightarrow \sin n = \pm \frac{r}{\sqrt{1r}} \quad \text{Cobu} = -\frac{r}{r} \rightarrow \tan n = -\frac{r}{r}$$

$$\cos^r n = \frac{r}{1r} \Rightarrow \cos n = \pm \frac{r}{\sqrt{1r}} \quad -\frac{r}{r} - \frac{r}{r} = -\frac{1r}{r}$$

$$\tan n + \cot n = \frac{1}{\sin n \cos n} = \frac{r}{\sqrt{1r}} \times \frac{r}{\sqrt{1r}} = \frac{-1r}{r}$$

$$\sqrt{1 + \sin 0} = \sqrt{1 + r \sin^r n \cos^r n} = |\sin^r n + \cos^r n| \quad (V)$$

$$\sin 0 + \sin 1 = r \sin^r n \times \cos^r n = r \times \frac{1}{r} \times \cos^r n$$

$$\Rightarrow \frac{\sin^r n + \cos^r n}{\cos^r n} = \sqrt{r} \left(\frac{1}{\sqrt{r}} \sin^r n + \frac{1}{\sqrt{r}} \cos^r n \right)$$

$$= \sqrt{r} (\sin (r + \epsilon)) = \sqrt{r} \times \sin r = \sqrt{r}$$

$$1 - r \sin^r n = \cos^r n - \sin^r n = \cos 1$$

$$r \cos^r n - 1 = \cos^r n - \sin^r n = \cos r \quad (1, r, 0)$$

$$\frac{1 - \tan^r n}{1 + \tan^r n} = \frac{\cos^r n - \sin^r n}{\cos^r n + \sin^r n} = \frac{\cos^r n - \sin^r n}{\cos^r n} = \cos \epsilon$$

$$\cos 1 \cdot [\cos r \times \cos \epsilon] = \cos 1 \cdot \left[\frac{1}{r} \times \cos r \times \cos r \right]$$

$$= \frac{1}{r} \cos 1 \times \cos r = \frac{1}{r} \left[\frac{1}{r} \cos^r n \times \cos 1 \right] = \frac{\sqrt{r}}{1r} \cos 1$$

$$\sin \alpha = Y - r^u \cos \alpha$$

(9)

$$\sin^r \alpha + \cos^r \alpha = \varepsilon + 9 \cos^r \alpha - 17 \cos \alpha + \cos^r \alpha = 1$$

$$\Rightarrow 17 \cos \alpha = 10 \cos^r \alpha + r^u$$

(10)

$$\begin{aligned} \partial \cos 17 \alpha - 17 \cos \alpha &= \partial \cos^r \alpha - \partial \sin^r \alpha - 17 \cos \alpha \\ &= \partial \cos^r \alpha - \partial \sin^r \alpha - 10 \cos^r \alpha - r^u = -\partial \cos^r \alpha - \partial \sin^r \alpha - r^u \\ &= -\partial (\cos^r \alpha + \sin^r \alpha) - r^u = -\partial(1) - r^u = -1 \end{aligned}$$

$$B = VP$$

$$A + VP + C = 1 \text{ n.o.} \Rightarrow C = 1 \text{ n.o.} - VP - A$$

$$(\sin VP) (\sin 1 \text{ n.o.} - A) = \cos^r \frac{A}{r} = 1 + \cos A$$

$$\Rightarrow Y (\sin VP) (\sin 1 \text{ n.o.} - A) = 1 + \cos A$$

$$\rightarrow Y \left[\frac{1}{r} ((\cos A - r^u) - \cos(1 \text{ n.o.} - A)) \right] = 1 + \cos A$$

$$\Rightarrow \cos(A - r^u) + \cos A = 1 + \cos A$$

$$\Rightarrow \cos(A - r^u) = 1$$

$$A - r^u = 0 \quad A = r^u$$

$$1 - r \sin^2 \delta = c \cdot s i.$$

$$r c \cdot s i - 1 = c \cdot s r.$$

فرمولهای

$$\frac{1 - \tan^2 r_i}{1 + \tan^2 r_i} =$$

$$\frac{c(r \times r_i) = c \epsilon_i}{\frac{c \cdot s r_i - \sin^2 r_i}{c \cdot s r_i + \sin^2 r_i}} = c \cdot s f. \quad \text{سوال ۱}$$

$$(s i n i.) \quad c \cdot s i. \times c \cdot s r. \times c \cdot s f. =$$

$$\frac{1}{r} \sin r. \times c \cdot s r. \times c \cdot s f.$$

$$\frac{1}{r} \times \frac{1}{r} \sin \epsilon. \times c \cdot s \epsilon. =$$

$$\frac{1}{r} \times \frac{1}{r} \times \frac{1}{r} \sin n. = \frac{\frac{1}{\lambda} \sin \lambda_0}{\sin \lambda_0} = \frac{1}{\lambda} \cot \lambda_0$$