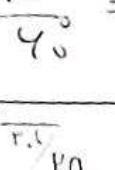


(19, 20)

نام و نام خانوادگی پرینال ددوال پور پاسنامه تشریحی تکلیف شماره ۱۸۰۰ کلاس دهه ۱۴۰۰

۱) $\tan \frac{11\pi}{8} + \sin \frac{15\pi}{8} \cos \frac{13\pi}{8}$ $-1 + \left(+\frac{\sqrt{2}}{2}\right) \times \left(+\frac{\sqrt{2}}{2}\right) = -1 + \frac{1}{2} = -\frac{1}{2}$ ✓	۱	۱, ۵
۲) $\tan \frac{7\pi}{4} \sin \frac{11\pi}{4} + \cos \frac{10\pi}{4}$ $-\frac{\sqrt{2}}{2} \times \left(-\frac{\sqrt{2}}{2}\right) + \left(-\frac{1}{2}\right) = \frac{1}{2} - \frac{1}{2} = 0$ ✗	۲	
$\frac{p \cos x - \sin x}{\cos x + \sin x} = \frac{p(1 \cos x) - \sin x}{1 \sin x + \sin x} = \frac{11 \sin x}{2 \sin x} = \frac{11}{2}$ $f \sin x = \cos x \Rightarrow \frac{\cos x}{\sin x} = \frac{1}{p}$	۳	
$\cos^2 \alpha + \sin^2 \alpha = 1$ $1 \cos^2 \alpha$ $2 \cos^2 \alpha = 1$ $\cos^2 \alpha = \frac{1}{2}$ $\cos \alpha = \pm \frac{1}{\sqrt{2}} \rightarrow p \cos \alpha = \frac{1}{\sqrt{2}}$	۴	
$\cos\left(\frac{11\pi}{4} + \alpha\right) = \cos \frac{11\pi}{4} \cos \alpha - \sin \frac{11\pi}{4} \sin \alpha$ $\cos \alpha = -\sqrt{1 - \left(\frac{1}{\sqrt{2}}\right)^2} = -\sqrt{1 - \frac{1}{2}} = -\frac{\sqrt{2}}{2}$ $\cos\left(\frac{11\pi}{4} + \alpha\right) = \left(-\frac{\sqrt{2}}{2}\right)\left(-\frac{\sqrt{2}}{2}\right) - \left(\frac{\sqrt{2}}{2}\right)\left(\frac{1}{\sqrt{2}}\right) = \frac{1}{2} - \frac{1}{2} = 0$	۵	
$\tan^2 x = \frac{\sin^2 x}{\cos^2 x} = \frac{1}{p^2}$ $\sin^2 x + \sin^2 x + \cos^2 x = \frac{1}{p^2}$ $\sin^2 x = \frac{1}{p^2}$ $\cos^2 x = \frac{1}{p^2}$	۶	۱, ۷, ۵



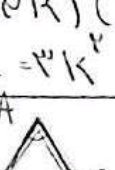
$$\frac{1}{r} \times \frac{1}{r} \times \sqrt{r} \times \sin \alpha = F, \omega$$

$$r \sqrt{r} \sin \alpha = F, \omega$$

$$\left(\frac{\sqrt{r}}{r} \right) \rightarrow \gamma_0$$

$$\frac{1/r_0}{\gamma_0} = r$$

$$1/r_0 - \gamma_0 (1/r_0)$$



$$S = ab \sin \theta$$

$$a = r/r \quad b = r/r$$

$$P = r(9\sqrt{r} + 9\sqrt{r}) = r(18\sqrt{r}) = 18\sqrt{r}$$

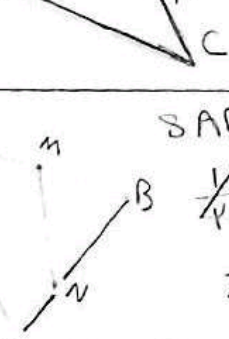
$$\sin \omega_0 = \sin r = \frac{1}{r}$$

$$(r/r)(r/r)(\frac{1}{r}) = r/r$$

$$\omega \varepsilon = r/r \quad r/r = 1/r \quad r = r\sqrt{r}$$

$$r\sqrt{r} \propto r = (9\sqrt{r})$$

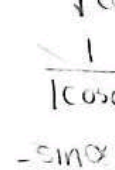
$$r\sqrt{r} \propto r = (9\sqrt{r})$$

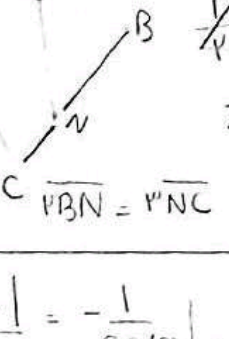


$$ABC = \frac{1}{r} \times \omega \times r \times \sin A = 1/r, \omega \sin A$$

$$ADE = \frac{1}{r} \times r \times r \times \sin A = 1/r \sin A$$

$$1/r, \omega \sin A - 1/r \sin A = r, \omega \sin A = 1/r, \omega$$

$$\tan \hat{A} = \frac{1}{\sqrt{r}}$$




$$S_{ABC} = r S_{BMN}$$

$$\frac{1}{r} AB \times \frac{1}{r} BC \propto \sin B = r \Rightarrow AB \propto \frac{1}{r} NC$$

$$\frac{1}{r} (BN) \times BM \times \sin B = \frac{1}{r} NC \times BN$$

$$\frac{\omega}{r} \frac{AB}{BM} = \frac{1}{r} \frac{AB}{BM} = \frac{r \omega}{r} = \frac{9}{r}$$

$$\frac{BM}{AM} = \frac{9}{r}$$

$$\left| \frac{\sin \alpha}{\cos \alpha} \right| = -\frac{1}{\cot \alpha} = -\frac{\sin \alpha}{\cos \alpha}$$

$$\left| \frac{\sin \alpha}{\cos \alpha} \right| = -\frac{\sin \alpha}{\cos \alpha}$$

$$\left| \frac{\sin \alpha}{\cos \alpha} \right| = -\frac{\sin \alpha}{\cos \alpha}$$

$$\frac{1}{\sqrt{\cos \alpha}} - \tan \alpha = \frac{1 + \sin \alpha}{|\cos \alpha|}$$

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

$$-\frac{\sin \alpha}{\cos \alpha} = \frac{\sin \alpha}{|\cos \alpha|} \rightarrow -\cos \alpha = |\cos \alpha|$$

$$\cos \alpha = -$$

Subject

Date : Year

Month

Day

سوال ۴ ب

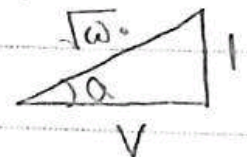
$$\tan \alpha = \frac{1}{\omega} \quad \sin\left(\frac{13\pi}{\varepsilon} + \alpha\right) = \sin\left(\pi + \frac{\pi}{\varepsilon} + \alpha\right) = \sin\left(\frac{\omega\pi}{\varepsilon} + \alpha\right)$$

$\downarrow$
 $\pi + \pi \leftarrow \frac{13\pi}{\varepsilon} + \frac{\pi}{\varepsilon}$

$$\sin\left(\frac{\omega\pi}{\varepsilon} + \alpha\right) = \underbrace{\sin\frac{\omega\pi}{\varepsilon}}_{-\frac{\sqrt{p}}{p}} \cos \alpha + \underbrace{\cos\frac{\omega\pi}{\varepsilon}}_{-\frac{\sqrt{p}}{p}} \sin \alpha$$

$$\sin\left(\frac{\omega\pi}{\varepsilon} + \alpha\right) =$$

$$\sin \alpha = \frac{1}{\omega \sqrt{p}} = \frac{\sqrt{p}}{10}$$



$$\left(-\frac{\sqrt{p}}{p}\right)(\cos \alpha) + \left(-\frac{\sqrt{p}}{p}\right)\sin \alpha =$$

$$\cos \alpha = \frac{\sqrt{p}}{10}$$

$$\left(-\frac{\sqrt{p}}{p}\right)(\sin \alpha + \cos \alpha) = -\frac{\sqrt{p}}{p} \left(\frac{\sqrt{p}}{10} + \frac{\sqrt{p}}{10}\right) =$$

$$-\frac{\sqrt{p}}{p} \cdot \frac{2\sqrt{p}}{10} = -\frac{2}{10} = -\frac{1}{5} \quad \sin\left(\frac{13\pi}{\varepsilon} + \alpha\right) = -\frac{1}{5}$$

Scanned with

CS CamScanner