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نام و نام خانوادگی پاسنامه تشریحی تکلیف شماره ۱.۸ کلاس A.....

$$\text{الف) } -1 + \left(-\frac{\sqrt{r}}{r}\right)\left(-\frac{\sqrt{r}}{r}\right) = -1 + \frac{1}{r} = \underline{-\frac{1}{r}}$$

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

$$\text{ب) } \frac{-\sqrt{r}}{r} \times \frac{-\sqrt{r}}{r} + \left(-\frac{1}{r}\right) = \frac{r}{r} - \frac{1}{r} = 0$$

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$$\frac{\cos h}{\sin h} = r \rightarrow \cos h = r \sin h$$

$$\frac{r \cos h - \sin h}{\cos h + \sin h} = \frac{r \sin h - \sin h}{r \sin h + \sin h} = \frac{11 \sin h}{11 \sin h} = \frac{11}{11} = \underline{r, r}$$

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$$110^\circ < \alpha < 170^\circ$$

$$\sin \alpha < 0$$

$$\cos \alpha < 0$$

$$\sin \alpha = r \cos \alpha$$

$$(r \cos \alpha)^2 + \cos^2 \alpha = 1$$

$$\cos^2 \alpha + r^2 \cos^2 \alpha = 1 \rightarrow \omega \cos^2 \alpha = 1 \rightarrow \cos^2 \alpha = \frac{1}{\omega} \rightarrow \cos \alpha = \underline{\frac{-\sqrt{\omega}}{\omega}}$$

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$$\text{الف) } 1 - \frac{r}{100} = \frac{91}{100} \rightarrow \cos \alpha = \frac{-\sqrt{91}}{10} = \underline{\frac{-\sqrt{91}}{10}}$$

$$\cos \left(\alpha + \frac{r\pi}{r}\right) = \cos \alpha \cos \frac{r\pi}{r} - \sin \alpha \sin \frac{r\pi}{r} \rightarrow \frac{-\sqrt{91}}{10} \times \frac{-\sqrt{r}}{r} - \frac{\sqrt{r}}{10} \times \frac{\sqrt{r}}{r}$$

$$\frac{r}{10} - \frac{1}{10} = \frac{r}{10} = \underline{\frac{r}{10}}$$

$$\text{ب) } \frac{14\pi}{r} = 14\pi + \frac{\pi}{r} \Rightarrow -\sin \left(\frac{\pi}{r} + \alpha\right)$$

$$\sin \frac{\pi}{r} \cos \alpha + \cos \frac{\pi}{r} \sin \alpha$$

$$\frac{\sqrt{r}}{r} \times \frac{r}{\omega \sqrt{r}} + \frac{\sqrt{r}}{r} \times \frac{1}{\omega \sqrt{r}} = \frac{\omega}{r} \Rightarrow \sin \left(\frac{14\pi}{r} + \alpha\right) = \underline{-\frac{\omega}{r}}$$

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$$\frac{\sin^2 h + \cos^2 h}{r} + \sin^2 h = r + \frac{1}{r} \Rightarrow \sin^2 h = \frac{1}{r} \Rightarrow \sin h = \underline{\pm \frac{\sqrt{r}}{r}}$$

$$\tan h = \frac{\sin^2 h}{\cos^2 h} = \frac{\sin^2 h}{1 - \sin^2 h} = \frac{\frac{1}{r}}{\frac{r}{r}} = \underline{\frac{1}{r}}$$

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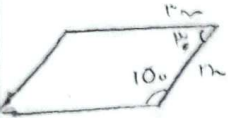
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$$\frac{1}{1-\mu} \times \sqrt{r} \times \frac{16}{9} \times \sin \alpha = f_1 \omega$$

$$k\sqrt{k} \sin u = 0$$

$$\sin \alpha = \frac{r, \omega}{r \sqrt{r}} = \frac{1, \omega}{\sqrt{r}} = \frac{0, \omega}{\sqrt{r}} = \frac{\Delta V_r}{10} = \frac{V_r}{r} \rightarrow \alpha = 14^\circ$$

$$\frac{1 \text{ Y}_0}{40} = \text{Y}$$



$$S = \omega f \rightarrow X \times \frac{1}{r} \times P_n \times X_n \times \sin \varphi_0 = \omega f$$

$$1^u 2^v = 2^f$$

$$Z' = 1 \text{ A}$$

$$z = \sqrt[4]{4}$$

$$r \times 4\sqrt{r} + r \times 4\sqrt{r} = \underline{r \cdot 8\sqrt{r}} = 0$$

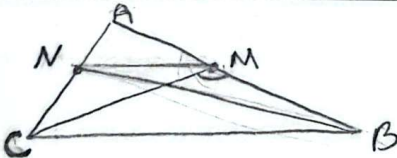
$$S_{ABC} S_{ADE} = 1, \forall \omega$$

$$\left(\frac{1}{r} \times \omega \times v \times \sin A\right) - \left(\frac{1}{r} \times f \times v \times \sin A\right) = 1, \text{ rad}$$

$10 \sin A = 1 \Rightarrow \sin A = 0.1$

$$1,0 \sin A = 1,00$$

$$\sin A = \frac{1}{\sqrt{10}} \rightarrow \cos \hat{A} = \frac{\sqrt{10}}{10} \rightarrow \tan \hat{A} = \frac{1}{\sqrt{10}} = \frac{\sqrt{10}}{10}$$



$$K_{BN} = K_{MC} \cdot NC$$

$$S_{ABC} = \kappa S_{BMN}$$

$$AB - C$$

$$n_C = C$$

$$B \sim 2$$

$$\frac{S_{BMN}}{S_{ABC}} = \frac{1}{4}$$

$$\frac{BM}{AM} = ?$$

$$\frac{BM}{AB} = \frac{\omega}{9} \rightarrow \frac{BM}{BM+AM} = \frac{\omega}{9}$$

$$\frac{S_{BMN}}{S_{ABC}} = \frac{BM}{AB} \times \frac{BN}{BC} = \frac{1}{2} \times \frac{1}{2}$$

$$\frac{2}{c} \times \frac{4}{10} = \frac{1}{10} \rightarrow 2 = \frac{1}{4} c \rightarrow BM = \frac{1}{4} AB$$

$$\frac{|\sin \alpha|}{\cos \alpha} = -\frac{\sin \alpha}{\cos \alpha} \rightarrow \sin \alpha < 0$$

$$\frac{B_m}{A_m} = \frac{\omega}{c} \quad \frac{B_B}{A_m} = \frac{\omega}{c}$$

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

$$\frac{\overset{+}{-}\sin x}{\underset{+}{|\cos x|}} = \frac{\overset{-}{\sin x}}{\underset{+}{\cos x}} \rightarrow \cos x < 0$$