

19, 5

نیابتی زدی تکلیف شماره 14 و از هر دو A

$$OB^p = 1 + \cos^p \varphi = \frac{1}{\sin^p \varphi} \quad (1)$$

$$OB = \left| \frac{1}{\sin \varphi} \right| \quad AB = \frac{1}{\sin \varphi} - 1 = \frac{1 - \sin \varphi}{\sin \varphi} \quad (2)$$

$$\frac{S_{ABD}}{S_{ADC}} = \frac{\frac{1}{2} \times BD \times h}{\frac{1}{2} \times CD \times h} = \frac{BD}{CD} = p \quad (3)$$

$$p = \frac{\frac{1}{2} \times AB \times AD \times \sin \varphi}{\frac{1}{2} \times AC \times AD \times \sin \psi_0} \quad p = \frac{AB}{AC} \times \sqrt{p}$$

$$\frac{AB}{AC} = \sqrt{p} \quad (4)$$

$$S = \frac{1}{2} \times AB \times AC \times \sin \psi_0 = \frac{1}{2} \times \sqrt{p} \times \sqrt{p+q} \times \sqrt{\frac{p}{p}} \quad (5)$$

$$= \frac{p + \sqrt{p}}{2} \quad AB = \sqrt{p} \quad BC = \sqrt{p} \quad AC = \sqrt{p + \sqrt{p}}$$

$$p = \sqrt{p} + \sqrt{p} + \sqrt{p + \sqrt{p}} \quad (6)$$

$$AC = f \log_p p \quad BC = \frac{p}{\log_p p} \quad \log_p p = u$$

$$AB^p = AC^p + BC^p \Rightarrow p \times AC \times BC \times \sqrt{\frac{p}{p}}$$

$$AB^p = (fu)^p + \left(\frac{p}{u}\right)^p \Rightarrow f^p u^p \times \frac{p}{u} \times \frac{p}{u} \times \sqrt{\frac{p}{p}} = 16u^p + \frac{9}{u^p} - 12\sqrt{p}$$

$$S = \frac{AB \times AC}{f}$$

$$S = p \sqrt{p} (\log_p p)^p + \sqrt{9 - f (\log_p p)^p}$$

$$S = \frac{1}{f} \times AB \times AC \times \sin \psi_0 \Rightarrow \frac{1}{f} \times \log_p^p \times \log_p^p \times \frac{1}{f} = \frac{1}{f^2} \times \log_p^p \times \log_p^p$$

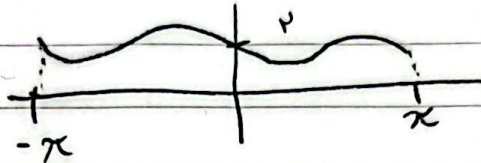
$$= \frac{1}{f^2} \times f^2 \times p \times \log_p^p \times \log_p^p = p$$

$$r \cos^2 \phi - \cos^2 \phi - \sin^2 \phi (r \sin^2 \phi - 1)$$

$$\rightarrow \cos^2 \phi (\cos^2 \phi) - \sin^2 \phi (-\cos^2 \phi) = \cos^2 \phi (\cos^2 \phi + \sin^2 \phi)$$

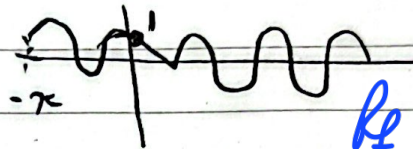
$$= 1 \quad \cos^2 \phi = 1 \quad \sin^2 \phi = 1 - \cos^2 \phi \quad \sin^2 \phi = 0$$

$$\text{الف) } \frac{r\pi}{|r|} = \pi$$



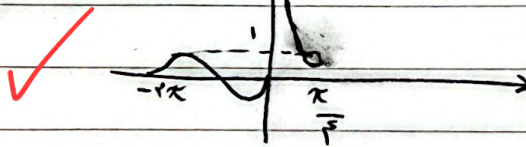
$$R_f = [1, r]$$

$$\text{ب) } T = \frac{r\pi}{|r|} = r$$



$$R_f = [-1, r]$$

$$R_f = [-1, b]$$



$$|\frac{b}{f}| + a = f \quad -|\frac{b}{f}| + a = 0 \quad a = r \quad b = 1$$

$$T = \frac{r\pi}{fC} = \frac{r\pi}{\omega} \quad C = \frac{b}{f} \quad 1 + \frac{\omega}{r} = \frac{1}{r} = a$$

$$|a| + C = r \quad -|a| + C = -f \quad C = -1 \quad a = -r$$

$$T = \frac{r\pi}{|b|} = \pi \quad b = r \quad -r \cos^2 \phi - 1 = 0$$

$$\cos^2 \phi = -\frac{1}{r} \quad |\tan^2 \phi| = \sqrt{r}$$

$$\tan^2 \phi = \frac{1}{\cos^2 \phi} - 1$$

PILLNOTEBOOK

$$-34, d+1 = -33, d$$

(10)

تا ۳۳ سی نه ۱۱ تا ده قلا پس $\rightarrow$ $f(-34, d) = (0, 25)$

(2)