

نیابتی زنی تکلیف شماره ۱۴ و از هر دو A

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

$$OB = \left| \frac{1}{\sin \phi} \right| \quad AB = \frac{1}{\sin \phi} - 1 = \frac{1 - \sin \phi}{\sin \phi}$$

درست +

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

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

$$\frac{AB}{AC} = \sqrt{p}$$

$$S = \frac{1}{2} \times AB \times AC \times \sin \phi_0 = \frac{1}{2} \times \sqrt{p} \times \sqrt{p+q} \times \frac{\sqrt{p}}{p} \quad (3)$$

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

$$p = \sqrt{p} + \sqrt{p} + \sqrt{p + \sqrt{p}}$$

$$AC = f \log_p p$$

$$BC = \frac{p}{\log_p p}$$

$$\log_p p = u$$

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

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

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

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

①

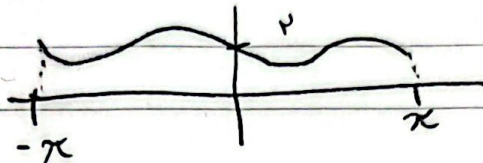
$$r \cos^2 \phi - \cos^2 \phi - \sin^2 \phi (r \sin^2 \phi - 1)$$

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

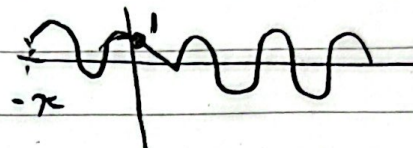
$$= 1 \quad \cos^2 \phi = 1 \quad \sin^2 \phi = 1 - \cos^2 \phi \quad \sin^2 \phi = 0$$

②

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

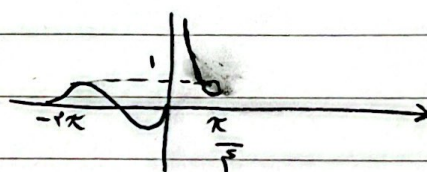


$$\text{ب) } T = \frac{r\pi}{|r|} = \pi$$



③

$$R_p = [-1, +1]$$



④

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

$$T = \frac{r\pi}{fc} = \frac{r\pi}{\omega} \quad c = \frac{r}{f} \quad 1 + \frac{\omega}{r} = \frac{1}{r} = \omega$$

⑤

$$|a| + c = r \quad -|a| + c = -r \quad c = -1 \quad a = -r$$

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

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

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

PILLNOTEBOOK

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

(10)

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