

الف) $27 \times \frac{\pi}{180} = \frac{2\pi}{10}$

ب) $120 \times \frac{\pi}{180} = \frac{2\pi}{3}$

ج) $\frac{3\pi}{12} \times \frac{180}{11} = \frac{450}{11} = 40.9$

د) $\frac{4\pi}{9} \times \frac{180}{11} = \frac{160}{11} = 14.5$

۲. آفرین خیره خوب نوشتی !!

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درج ۱۰۵
کرار $\frac{1200}{9} \rightarrow 12,000$

درج $\frac{9\pi}{9} \rightarrow \times \frac{180}{11} \rightarrow 22,000$

$10a + 22,000a + 12,000a \rightarrow a = 110$

$a = \frac{110}{40} \rightarrow \frac{44}{20} = 2.2$
 $a = f$

الف) $\frac{1}{r} \times \frac{\sqrt{r}}{r} - \frac{\sqrt{r}}{r} \times \frac{1}{r} - \frac{\sqrt{r}}{r} + r \left(\frac{\sqrt{r}}{r} \right) \rightarrow \frac{\sqrt{r}}{r} - \frac{\sqrt{r}}{r} - 1 + 2 = 1$

ب) $\frac{\left(\frac{1}{r} \right)^2 + \left(\frac{\sqrt{r}}{r} \right)^2 + \left(\frac{\sqrt{r}}{r} \right)^2}{\frac{\sqrt{r}}{r} - \frac{1}{r}} = \frac{\frac{1}{r} + 1 + r}{\sqrt{r} - \frac{1}{r}} = \frac{\frac{1+r^2}{r}}{\frac{r^2-1}{r}} = \frac{1+r^2}{r^2-1} = \frac{1+r^2}{(r-1)(r+1)}$

$-\frac{1}{r} \times \frac{1}{r} + \frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{r} = \sin^2 \theta \rightarrow -\frac{1}{r} + \frac{r}{r} \rightarrow \sin^2 \theta = \frac{1}{r} \rightarrow \sin \theta = \frac{1}{\sqrt{r}} = \frac{\sqrt{r}}{r}$

$\sin \theta = \cos \theta$

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

$\frac{r \left(\frac{1}{r} \right) \left(1 - \left(\frac{1}{\sqrt{r}} \right)^2 \right)}{\left(1 - \left(\frac{1}{\sqrt{r}} \right)^2 \right)^2} = \frac{\frac{r}{r^2} \times \frac{r}{r}}{\frac{r}{r}} = \frac{f}{\frac{r}{a}} = \frac{a}{r\sqrt{r}} = \frac{r}{\sqrt{r}}$

$\frac{r}{\sqrt{r}} = \tan \theta$
 $\frac{r\sqrt{r}}{r} = \sqrt{r}$
 $\frac{r}{r} = 1$

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

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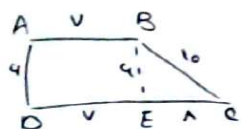
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$$\sin \sqrt{x} - \omega \rightarrow \sin(\sqrt{x} - 1) \rightarrow \sin\left(\frac{x - \sqrt{x}}{\sqrt{x}}\right) \rightarrow \frac{\sqrt{x}(\sqrt{x} - 1)}{\sqrt{x}} = \omega(\sqrt{x} - 1)$$

✓ ۵۱۱۰

cos ↑ sin ↑ for

①

②

$$\sin^2 \alpha = \frac{1}{16} \longrightarrow \sin \alpha = \frac{1}{4}$$

$$\sin = \frac{+\sqrt{10}}{10} \longrightarrow -\frac{\sqrt{6}}{10}$$