

$$\sin \frac{4\pi}{3} = -\frac{\sqrt{3}}{2}$$

$$\cos \frac{4\pi}{3} = -\frac{1}{2}$$

$$\sin \frac{11\pi}{6} = -\frac{1}{2}$$

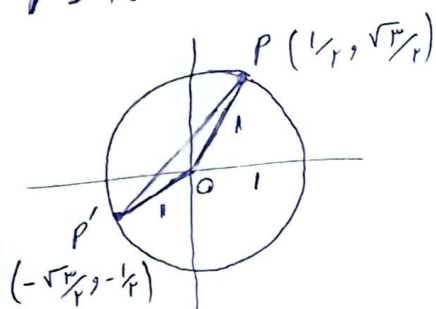
$$\cos \frac{11\pi}{6} = \frac{1}{2}$$

$$\frac{+\frac{\sqrt{3}}{2}a + \frac{\sqrt{3}}{2}b}{-\frac{1}{2}a + \frac{1}{2}b} = +\frac{\sqrt{3}}{2} \rightarrow \frac{\frac{\sqrt{3}}{2}(a+b)}{\frac{1}{2}(b-a)} = \frac{\sqrt{3}}{2}$$

$$\frac{a+b}{b-a} = \frac{1}{2} \quad 2a+2b=b-a \quad 3a=-3b \quad 3a=-b$$

$$\frac{b}{a} = -\frac{1}{3}$$

$$P = 40^\circ$$



$$PP' = \sqrt{\left(\frac{1}{2} + \frac{\sqrt{3}}{2}\right)^2 + \left(\frac{1}{2} + \frac{\sqrt{3}}{2}\right)^2} = \frac{1+\sqrt{3}}{2} \sqrt{2}$$

$$= \frac{\sqrt{2}+\sqrt{6}}{2}$$

$$\text{مسافت} = 1+1 + \frac{\sqrt{2}+\sqrt{6}}{2} = 2 + \frac{\sqrt{2}+\sqrt{6}}{2}$$

$$\frac{\pi}{9} = 20^\circ$$

$$\frac{20}{30} = \frac{1}{3} \rightarrow \frac{2}{3} \text{ زمان طی شده} \rightarrow \text{بسیار عمیق برای رفتن به شماره ۴ دقیقه}$$

$$\frac{30}{12} = 2.5$$

راوی بین هر ساعت

$$\text{ساعت} = 2:40$$

$$|\delta, \delta m - 2.0h| \rightarrow |\delta, \delta m - 9.0| = 2.0$$

$$h = 3$$

$$\delta, \delta m = 11.0 \rightarrow m = 2.0$$

$$\delta, \delta m = 7.0 \rightarrow m = \frac{14.0}{11}$$

آرین بار

دوین بار

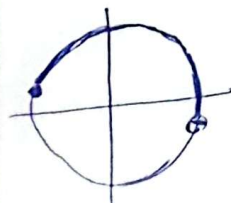
$$-\frac{1}{2} < \sin x \leq 1$$

$$-\frac{1}{2} < \frac{m-3}{5} \leq 1$$

$$-\frac{5}{2} < m-3 \leq 5$$

$$\frac{1}{2} < m \leq 8$$

$$m = \{1, 2, 3, 4, 5, 6, 7, 8\}$$



$$\frac{\sin(90+10) + K \cos(170-10)}{\cos(170-10) + r \sin(170+10)} = \frac{+\cos 10 - K \sin 10}{-\cos 10 - r \sin 10} = r$$

آرکس زینوس

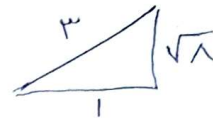
-6

$$\frac{1 - K \tan 10}{-1 - r \tan 10} = \frac{1 - \frac{1}{r} K}{-1 - \frac{1}{r}} = r \quad 1 - \frac{1}{r} K = -\frac{9}{r} \quad \frac{1}{r} K = \frac{11}{r} \quad K = 11$$

$$\frac{+\cot x + \cot x}{+\tan x - r \tan x} = \frac{-\frac{1}{\sqrt{\lambda}} + \frac{1}{\sqrt{\lambda}}}{-\sqrt{\lambda} + r \sqrt{\lambda}} = \frac{\frac{-r}{\sqrt{\lambda}}}{\frac{\sqrt{\lambda}}{1}} = \frac{-r}{\lambda} = -\frac{1}{r}$$

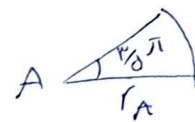
-v

$$1 - \cos x = r + r \cos x \quad r \cos x = -1 \quad \cos x = -\frac{1}{r}$$



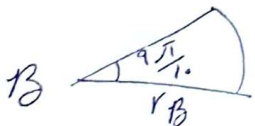
$$\tan < 0 \\ \cot < 0$$

$$\frac{D}{170} = \frac{\text{Rad}}{\pi} \quad \frac{170}{170} \times \pi = \frac{r}{\theta} \pi$$



$$L = r \theta = \frac{r}{\theta} \pi r_A$$

-A

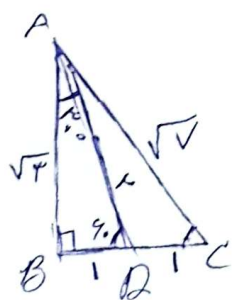


$$L = r \theta = \frac{9\pi}{180} r_B$$

$$\frac{9\pi}{180} r_B = \frac{r}{\theta} \pi r_A \quad \frac{r}{r_B} = r_A$$

$$\frac{S_A}{S_B} = \frac{\pi r_A^2}{\pi r_B^2} = \left(\frac{r_A}{r_B}\right)^2 = \frac{9}{r}$$

$$AB^2 + 1 = r^2 \quad AB = \sqrt{r}$$



$$\sqrt{r} = \frac{\sqrt{r} \times BC}{r} \rightarrow BC = r \quad DC = 1$$

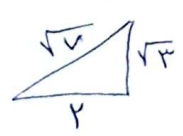
$$r + r = AC^2 \quad AC = \sqrt{r}$$

$$\sqrt{r} = \frac{1}{r} \times r \times \sqrt{r} \times \sin c$$

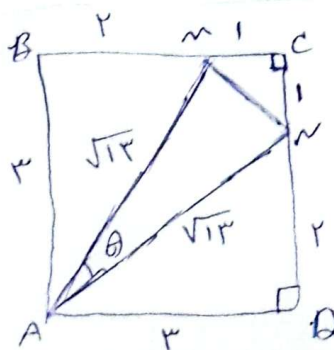
$$\sin c = \frac{\sqrt{r}}{\sqrt{r}}$$

$$\sin rc = r \sin c \cos c = r \times \frac{\sqrt{r}}{\sqrt{r}} \times \frac{r}{\sqrt{r}} = \frac{\sqrt{r}}{r}$$

$$\sin c = \frac{\sqrt{r}}{\sqrt{r}} \quad \cos c = \frac{r}{\sqrt{r}}$$



-9



$$AN = \sqrt{r+9} = \sqrt{r}$$

$$S_{\triangle} = r \times r = 9$$

$$S_{\triangle AN} = 9 - \frac{r \times r}{r} - \frac{r \times r}{r} - \frac{1 \times 1}{r}$$

$$= 9 - r - r - \frac{1}{r} = \frac{9}{r}$$

$$\frac{9}{r} = \frac{1}{r} \times \sqrt{r} \times \sqrt{r} \times \sin \theta$$

$$\sin \theta = \frac{9}{r}$$

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