

Subject:

Date: / /

۱۷. شمعکة لیلی

سیارک سیارین

$$\Lambda Q_m, 1 + \frac{1}{Q_m} \Rightarrow \Lambda Q_m, 1 \Rightarrow \textcircled{۱}$$

$$r Q_m, 1 \Rightarrow Q_m, \frac{1}{r} \Rightarrow$$

$$\left\{ m, \frac{\pi}{c}, \frac{\partial \pi}{c} \right\}$$

در جواب دارد

$$\delta - \delta Q_m + \Lambda Q_m - 4 Q_m, -2 \Rightarrow \textcircled{۲}$$

$$\Lambda Q_m - \delta Q_m - 4 Q_m + v, c. \Rightarrow$$

$$(Q_m + 1)(\Lambda Q_m - 12 Q_m + v) \Rightarrow Q_m, 1 \Rightarrow$$

$$\left\{ m = \pi, -\pi \right\}$$

در جواب دارد

$$\cos m (1 - r \sin^2 m) + \sin m, 1 \Rightarrow \Sigma \sin^2 m - r \sin m + 1 \Rightarrow \textcircled{۳}$$

$$(\sin m + 1) (\Sigma \sin^2 m - r \sin m + 1) \Rightarrow \left\{ \begin{array}{l} \sin m = -1 \rightarrow m, \frac{\pi}{2} \\ \sin m = \frac{1}{r} \rightarrow m, \frac{\pi}{4} \end{array} \right\}$$

$$\rightarrow \textcircled{۴} \left\{ \frac{\pi}{4} + \frac{\partial \pi}{4} + \frac{r \pi}{2}, \frac{\partial \pi}{2} \right\}$$

$$\frac{1}{Q_m} - \frac{1}{\sin \Sigma m} \Rightarrow Q_m, \cos m Q_m \Rightarrow \textcircled{۵}$$

$$Q_m (\cos m - 1) \Rightarrow$$

$$r_m, r_k \pi, m, k \pi, m, k \pi, m, k \pi$$

$$r_m < r_k \pi + \frac{\pi}{4} \rightarrow m, k \pi + \frac{\pi}{4} \rightarrow m, \frac{\pi}{4}$$

$$r_m < r_k \pi + \frac{\partial \pi}{4} \rightarrow m, k \pi + \frac{\partial \pi}{4} \rightarrow m, \frac{\partial \pi}{4} \Rightarrow \frac{\pi}{4} \rightarrow \frac{\pi}{4}$$

Subject:

Date: / /

$$Q(r_m + \frac{\pi}{r}) = Q(r(u + \frac{\pi}{r})) = rQ'(u + \frac{\pi}{r}) = 1 = \frac{r}{c} = 1 \quad \left| - \frac{1}{r} \right\}$$

$$\rightarrow \left[\sin \theta = -\frac{1}{\sqrt{2}} \right] \Rightarrow m(\cos - \sin) = c\sqrt{4} \left(-\frac{1}{\sqrt{2}} \right) \cdot \sqrt{4} \Rightarrow$$

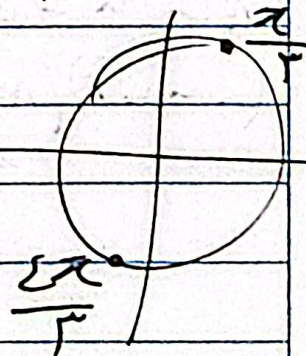
$$m(\cos m - \sin m) < 0 \Rightarrow \boxed{m < 0}$$

$$C_n\left(\frac{\pi}{c} - n\right) = \sin\left(n + \frac{\pi}{q}\right) \Rightarrow$$

$$\sin^{-1}\left(n + \frac{\pi}{a}\right) \in I \Rightarrow 8n + \frac{\pi}{4} \in (2\pi + \frac{\pi}{4}, \dots)$$

$$n + \frac{\pi}{q}, k\pi + \frac{\pi}{r} \Rightarrow \left| n + k\pi + \frac{\pi}{r} \right| \Rightarrow$$

متعددات حل جواب ها $\left(\frac{\pi}{3}, \frac{2\pi}{3}\right)$



$$\sqrt{r} \sin\left(n + \frac{\pi}{r}\right) = \sqrt{r} \rightarrow \sin\left(n + \frac{\pi}{r}\right) = \frac{\sqrt{r}}{r}$$

$$a + \frac{\pi}{r} \cdot PKR + \frac{\pi}{2} \Rightarrow a \cdot PKR - \frac{\pi}{1r} - \frac{\pi}{1r} \cdot \frac{PKR}{1r}$$

$$n + \frac{\pi}{r} \cdot r \Delta r + \frac{\partial \pi}{\partial r} \Delta r \Rightarrow n + \cancel{r \Delta r} + \frac{\partial \pi}{\partial r} \Delta r \rightarrow \left(\frac{\partial \pi}{\partial r} \right) \Delta r$$

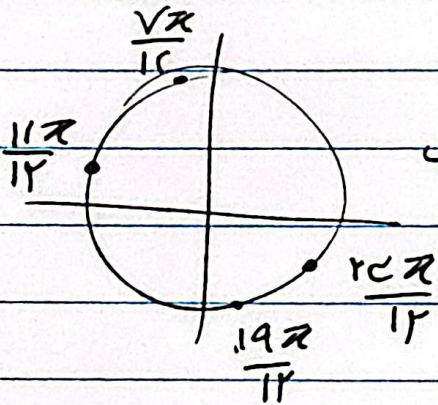
$$\text{مجموع جواب : } \frac{-x}{12} + \frac{2\sqrt{x}}{12} + \frac{8x}{12} + \frac{2\sqrt{x}}{12} + \left| \frac{4x}{5} \right|$$

YASHA

Date: / /

$$\frac{e \sin \mu_n}{\sqrt{\mu}} \quad \mu_n = \mu_k \pi + \left(-\frac{\pi}{a}\right) \Rightarrow n = k\pi - \frac{\pi}{15}$$

$$r \sim r_{KR} + \frac{\sqrt{x}}{4} \Rightarrow \sim r_{KR} + \frac{\sqrt{x}}{12}$$



جواب

$$\frac{4\pi}{15} < \pi$$

2

$$(re^{\Gamma\alpha})(re^{\Gamma\alpha})(re^{\Gamma\alpha}), \wedge (e^{\Gamma\alpha} e^{\Gamma\alpha} e^{\Gamma\alpha}) = \frac{1}{1} \Rightarrow \textcircled{4}$$

$$\frac{1}{1} \sin^{-1} 1$$

1,2

$$\frac{1}{\sin^2 \alpha} = \frac{1}{\lambda} \Rightarrow |\sin \lambda \alpha| = |\sin \alpha| \rightarrow \lambda \alpha, k\pi \pm \alpha \Rightarrow$$

$$\hookrightarrow A = \pi \rightarrow \sin \alpha = 0 \times \sqrt{3} \hat{e}$$

$\hookrightarrow A = \pi \rightarrow \sin \alpha = 0$ خرابو

✓ بزرگترین مقدار در محوره A خود را π است

$$\phi(r_n, \theta_n) \rightarrow r_n, \theta_n + \frac{2\pi}{r} - n \rightarrow (1.)$$

$$n: \frac{4\pi}{2} + \frac{\pi}{1} \mid \frac{4\pi + \pi}{1} \rightarrow \frac{9\pi}{1}, \frac{11\pi}{1}, \frac{12\pi}{1}, \frac{10\pi}{1}$$

$$\text{جواب} = \frac{1}{1} (\pi, 4\pi)$$

YASHA

$$\cos\left(n + \frac{\pi}{2}\right) = \frac{\sqrt{4}}{4} (\cos n - \sin n) = \frac{\sqrt{4}}{4} \rightarrow \cos n - \sin n = \frac{\sqrt{4}}{4}$$

⑤

$$\cos n - \sin n = \frac{\sqrt{4}}{\sqrt{4}} \xrightarrow{\text{بضرب}} \frac{\sqrt{4}}{4} \rightarrow \boxed{\cos n - \sin n = \frac{\sqrt{4}}{4}}$$

$$(\cos n - \sin n)^2 = 1 - \sin 2n = \frac{4}{4} \rightarrow \boxed{\sin 2n = \frac{1}{4}}$$

$$m(\cos n - \sin n) = 4\sqrt{4}(\sin 2n) = \sqrt{4} \rightarrow \frac{\sqrt{4}}{4} m - 4\sqrt{4}\left(\frac{1}{4}\right) = \sqrt{4}$$

$$\frac{\sqrt{4}}{4} m - \sqrt{4} = \sqrt{4} \rightarrow \frac{m\sqrt{4}}{4} = 2\sqrt{4} \rightarrow \boxed{m = 8}$$

$$1 + \cos 2\alpha = 2\cos^2 \alpha$$

⑥

$$\begin{cases} 1 + \cos 2\alpha = 2\cos^2 \alpha \\ 1 + \cos 4\alpha = 2\cos^2 2\alpha \\ 1 + \cos 8\alpha = 2\cos^2 4\alpha \end{cases} \rightarrow \wedge \cos^2 \alpha \cos^2 2\alpha \cos^2 4\alpha = \frac{1}{8}$$

$$\cos^2 \alpha \cos^2 2\alpha \cos^2 4\alpha = \frac{1}{8} \xrightarrow{\sqrt{\quad}} \cos \alpha \cos 2\alpha \cos 4\alpha = \pm \frac{1}{\wedge} \xrightarrow{\begin{smallmatrix} \times \sin \alpha \\ \sin \alpha \neq 0 \end{smallmatrix}} \star$$

$$\underbrace{(\sin \alpha \cos \alpha)}_{\sin 2\alpha} \cos 2\alpha \cos 4\alpha = \pm \frac{\sin \alpha}{\wedge} \rightarrow \frac{1}{4} (\sin 2\alpha \cos 2\alpha) \cos 4\alpha = \pm \frac{\sin \alpha}{\wedge} \xrightarrow{\frac{1}{4} \sin 4\alpha}$$

$$\frac{1}{4} \times \frac{1}{4} (\sin 4\alpha \cos 4\alpha) = \pm \frac{\sin \alpha}{\wedge} \rightarrow \frac{1}{\wedge} \sin 8\alpha = \pm \frac{\sin \alpha}{\wedge}$$

$$\sin 8\alpha = \pm \sin \alpha \rightarrow \begin{cases} 8\alpha = 2k\pi + \alpha \leq 2k\pi + \pi - \alpha \\ 8\alpha = 2k\pi - \alpha \leq 2k\pi + \pi + \alpha \end{cases}$$

$$\alpha = \frac{2k\pi}{7} \xrightarrow{\text{MANA}} k=3 \rightarrow n = \frac{4\pi}{7}$$

$$\alpha = \frac{2k\pi}{9} \xrightarrow{\text{MANA}} k=4 \rightarrow n = \frac{4\pi}{9}$$

$$\alpha = \frac{(2k+1)\pi}{9} \xrightarrow{\text{MANA}} k=2 \rightarrow n = \frac{4\pi}{9}$$

$$\alpha = \frac{(2k+1)\pi}{9} \xrightarrow{\text{MANA}} k=3 \rightarrow n = \frac{4\pi}{9}$$

$$\rightarrow \boxed{\text{MANA} = \frac{4\pi}{9}}$$

★ A نمی تواند برابر خود n باشد چون طبق $\star \sin$ اصفاف صفر در نقطه اییم!