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IV, D

پیر دس امر ایچو

$$\lambda \cos \theta - \tan \theta \rightarrow \lambda \cos \theta \rightarrow 14 \text{ km} \rightarrow \lambda \cos \theta = \frac{1}{\cos \theta} \rightarrow \lambda \cos \theta = 1$$

$$r_{QSM} = 1$$

$$\cos \theta = \frac{1}{2}$$

195M = 2

1

$$u = \frac{1}{r}, \quad \frac{\partial u}{\partial r} = -\frac{1}{r^2}$$



$$\Delta G_m^r + RT \ln M = -P \Rightarrow RT \ln M - \Delta G_m^r = -P \Rightarrow RT \ln M - \Delta G_m^r + P = 0$$

في الحالة الأولى $\rightarrow n=0 \Rightarrow 0.90 = 1 - 0.10^4 + V = 1$

ME $\rightarrow 0.0.0.0 \text{ vs } V$

$$n \geq 8 \Rightarrow -1 - 2 + 4 + 6 = 0 \checkmark$$

$$M = \frac{19}{4} \rightarrow \checkmark X$$

$$\cos n\theta \cos m\theta + \sin n\theta \sin m\theta = 1 \rightarrow \sin n(\cos m\theta + 1) = 1 \rightarrow \sin n(r(1 - \frac{1}{2}\sin^2 m) + 1) = 1 \quad \text{✓}$$

$$\Rightarrow \sin(\pi - \pi \sin \pi) = 1 \Rightarrow \pi \sin \pi - \pi \sin \pi = 1 \Rightarrow \sin \pi = 1 \Rightarrow \pi = \pi n + \pi$$

$$\rightarrow \frac{1}{4} = \frac{1}{4} + \frac{1}{4} \rightarrow \frac{1}{4} = \frac{1}{4} + \frac{1}{4} = \frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\sin\left(\frac{\pi + \theta}{\gamma}\right) + i \cos\left(\frac{\pi + \theta}{\gamma}\right) = -\sin\theta - i \cos\theta$$

$$= \frac{1}{\cos \theta} + \frac{1}{-\sin \theta \cos \theta} = \frac{1}{\cos \theta} \left(\frac{\sin \theta - 1}{\sin \theta} \right) = 0 \Rightarrow \sin \theta = 1 \Rightarrow \theta = \frac{\pi}{2}$$

$$\sin \theta = 1$$

$$\sin M = \frac{1}{r} \Rightarrow x = \frac{1}{14}$$

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$$\frac{1}{2} - \frac{1}{2} = \frac{1}{2} = \alpha$$

$$2 \ln \frac{\mu}{\mu} = \ln \mu$$

$$\rightarrow P_A = \frac{P_A}{P_B}$$

$$m(\cos m - \sin m) - \sqrt{4} \sin(m) = \sqrt{4}$$

Arman

$$\sin\left(\pi + \frac{\pi}{4}\right) \cos\left(\pi - \frac{\pi}{4}\right) = 1 \rightarrow \sin\left(\pi + \frac{\pi}{4}\right) \cos\left(\pi - \frac{\pi}{4}\right) = 1 \rightarrow \cos\left(\frac{\pi}{4} - \pi\right) = 1$$

$$\cos\left(\pi - \frac{\pi}{4}\right) = 1 \rightarrow \pi - \frac{\pi}{4} = \pi - \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{4} + \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{4} + \frac{\pi}{4}$$

$$\sin\pi + \frac{\pi}{4} \cos\pi = \frac{\pi}{4} \rightarrow \sin\pi + \frac{\pi}{4} \cos\pi = \frac{\pi}{4} \rightarrow \sin\pi + \frac{\pi}{4} \cos\pi = \frac{\pi}{4}$$

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

$$\pi + \frac{\pi}{4} = \pi - \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{4} - \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{2}$$

$$\frac{-\pi + \pi + \frac{\pi}{2}}{1} = \frac{\pi}{1} = \frac{\pi}{1}$$

$$\sin\pi \sin\left(\frac{\pi}{4} - \pi\right) = 1 \rightarrow -\sin\pi \sin\pi = 1 \rightarrow -\sin\pi = 1 \rightarrow \sin\pi = -1$$

$$\sin\pi = \sin - \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{4} \rightarrow \pi = \pi - \frac{\pi}{4}$$

$$\frac{(1 + \cos\frac{\pi}{4})(1 + \cos\frac{\pi}{4})(1 + \cos\frac{\pi}{4})}{\frac{1}{\cos\frac{\pi}{4}} \frac{1}{\cos\frac{\pi}{4}} \frac{1}{\cos\frac{\pi}{4}}} = \frac{1}{1} \rightarrow \frac{1}{\cos\frac{\pi}{4}} \frac{1}{\cos\frac{\pi}{4}} \frac{1}{\cos\frac{\pi}{4}} = \frac{1}{1}$$

$$\frac{1}{\sin\frac{\pi}{4}} \times \frac{1}{\sin\frac{\pi}{4}} = \frac{1}{1} \rightarrow \sin\frac{\pi}{4} = \sin\frac{\pi}{4} \rightarrow \sin\frac{\pi}{4} = \sin\frac{\pi}{4} \rightarrow \frac{\pi}{4} = \frac{\pi}{4} + \pi - \pi$$

$$\frac{\pi}{4} = \frac{\pi}{4} + \pi - \pi \rightarrow \frac{\pi}{4} = \frac{\pi}{4} + \pi - \pi \rightarrow \frac{\pi}{4} = \frac{\pi}{4} + \pi - \pi$$

15/1/2020

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$$\tan(x) + \tan(y) = 1 \Rightarrow \tan x = \frac{1}{\tan y} = \cot y \Rightarrow \tan x = \tan\left(\frac{\pi}{2} - y\right)$$

(10)

$$\Rightarrow x = k\pi + \frac{\pi}{2} - y \Rightarrow x = k\pi + \frac{\pi}{2} \Rightarrow x = \frac{k\pi}{2} + \frac{\pi}{4} \Rightarrow x = \frac{2k\pi}{4} + \frac{\pi}{4} \Rightarrow x = \frac{2k\pi + \pi}{4} = \frac{(2k+1)\pi}{4}$$

$$\text{an } x = \frac{1}{\tan x} = \cot x \Rightarrow \text{an } x = \tan\left(\frac{\pi}{2} - x\right)$$

(1)

$$x = k\pi + \frac{\pi}{2} - y \Rightarrow x = k\pi + \frac{\pi}{2} \Rightarrow x = \frac{k\pi}{2} + \frac{\pi}{4}$$

k	x	y	z
0	$\frac{\pi}{4}$	$\frac{3\pi}{4}$	$\frac{5\pi}{4}$
1	$\frac{5\pi}{4}$	$\frac{7\pi}{4}$	$\frac{3\pi}{4}$

$$S = \left(\frac{9+11+13+15}{4}\right)n = \frac{68n}{4} = 17n$$

$$\cos\left(n + \frac{\pi}{2}\right) = \frac{\sqrt{2}}{2} (\cos n - \sin n) = \frac{\sqrt{2}}{2} \Rightarrow \cos n - \sin n = \frac{1}{\sqrt{2}}$$

(10)

$$\cos n - \sin n = \frac{\sqrt{2}}{2} \xrightarrow{\text{square}} \frac{\sqrt{2}}{2} \Rightarrow \cos n - \sin n = \frac{\sqrt{2}}{2}$$

$$(\cos n - \sin n)^2 = 1 - \sin 2n = \frac{2}{2} \Rightarrow \sin 2n = \frac{1}{2}$$

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

$$\frac{\sqrt{2}}{2} m = \sqrt{2} \Rightarrow \frac{m\sqrt{2}}{2} = \sqrt{2} \Rightarrow m = 4$$

