

$1 \cos = 1 + \epsilon_{an}^r \rightarrow 1 \cos = \frac{1}{\cos^r} \rightarrow \cos^3 = \frac{1}{1} \rightarrow \cos = \frac{1}{r} \rightarrow \begin{matrix} 2kr + \frac{r}{r} \\ \rightarrow 2kr + \frac{r}{r} \end{matrix}$	۱
$\begin{aligned} 5(1 - \cos^r) + 2(\cos^3 - 3\cos) &= 0 \\ 5 - 5\cos^r + 2\cos^3 - 6\cos &= -2 \\ 5\cos^3 - 5\cos^r - 6\cos + 2 &= 0 \end{aligned}$ در کل ۴ جواب $\cos x = 1 \Rightarrow x = 0$ $\cos x = \frac{1}{16} \Rightarrow x = \arccos\left(\frac{1}{16}\right)$ $5y^3 - 5y^r - 6y + 2 = 0 \rightarrow (y-1)(5y^2 - 13y + 2)$	۲
$\begin{aligned} 4\sin(1 - 2\sin^r) + \sin &= 1 \\ 2\sin - 8\sin^3 + \sin &= 1 \\ -8\sin^3 + 3\sin - 1 &= 0 \end{aligned}$ $\sin^3 x - 1 = 0 \rightarrow \sin^3 x = 1 \rightarrow \sin x = 1 \rightarrow x = \frac{\pi}{2} + \frac{2k\pi}{3}$ $-\frac{12}{r} + \frac{12}{s} + \frac{12}{s} = \frac{12}{r}$	۳
	۴
$\cos x \times \frac{\sqrt{r}}{r} - \sin x \frac{\sqrt{r}}{r} = \frac{1}{\sqrt{r}} \rightarrow \frac{\sqrt{r}}{r}(\cos - \sin) = \frac{1}{\sqrt{r}} \rightarrow \cos - \sin = \frac{1}{\sqrt{r}}$ $m\left(\frac{r}{\sqrt{r}}\right) = \sqrt{r} \sin^{\frac{1}{r}} x \rightarrow m\left(\frac{r}{\sqrt{r}}\right) = \frac{r\sqrt{r}}{r} \rightarrow m = r$ $\cos x + \sin x = \frac{r}{r}$ $\sin x = \frac{1}{\sqrt{r}}$	۵

$$x + \frac{k}{5} - x + \frac{k}{5} = \frac{k}{5}$$

$$\sin\left(x + \frac{k}{5}\right) = 1 \rightarrow \begin{cases} x + \frac{k}{5} = r k \pi + \frac{k}{5} \\ x + \frac{k}{5} = r k \pi - \frac{k}{5} \end{cases}$$

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$$\sqrt{r+1} \sin\left(x + \frac{k}{5}\right) = \sqrt{r} \rightarrow x + \frac{k}{5} = r k \pi + \frac{k}{5}$$

$$\tan x = \sqrt{r}$$

$$x + \frac{k}{5} = r k \pi + \frac{k}{5}$$

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$$\sin \cos = 1 \rightarrow \sin r x = \frac{1}{r} \rightarrow r x = r k \pi + \frac{k}{5}$$

$$r x = r k \pi + \frac{k}{5}$$

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$$\frac{\sin m}{\cos m} \neq \frac{\cos}{\sin} \rightarrow \sin m \sin m = \cos m \cos m \rightarrow \cos 8 \pi = 0$$

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$$x = r k \pi + \frac{k}{5}$$

$$x = r k \pi - \frac{k}{5}$$