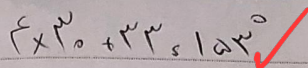
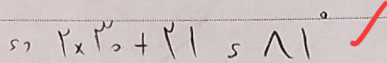


nd



Q

ادب و فن



(۲) الف

3 π (الف) 3
4 ✓

①

$$\checkmark y + \frac{\pi}{y} (-)$$

(۴) الف)

3

1,8

$\frac{1}{k}$ ✓

$$\frac{UM}{12}$$

مسائل زوایا را به حسب ارایان خلاصه

(4)

9

[illegible]

$$\frac{5 \sin^2 \alpha + \cos^2 \alpha + \cancel{\frac{1}{2} \cos^2 \alpha} + \cancel{\sin^2 \alpha} + \cos^2 \alpha - \cancel{1 \sin^2 \alpha} \cos \alpha}{\cancel{\sin^2 \alpha} - \cos^2 \alpha} = \frac{1}{\sin^2 \alpha - \cos^2 \alpha} \quad (1)$$

$$\left. \begin{aligned} & \sin^2 m - \cos^2 m = \frac{1}{2} \left\{ \sin^2 m - \frac{\partial}{\partial x} \right\} \\ & \sin^2 m + \cos^2 m = 1 \left\{ \cos^2 m - \frac{1}{2} \right\} \end{aligned} \right\} \Rightarrow \tan^2 m = \frac{\partial}{-1}$$

$$\rightarrow \frac{r}{\sinh \theta} = r \frac{\sinh \theta = 1 - \cosh \theta}{1 - r \cosh \theta} = r \rightarrow \cosh \theta = \frac{1}{r} \xrightarrow{1 + \tanh \theta = \frac{1}{\cosh \theta}} \tanh \theta = \infty$$

$$\frac{\sin^2 u - \cos^2 u + 1}{\sin^2 u + \cos^2 u} = \frac{\sin^2 u - \cos^2 u + 1}{1} = \sin^2 u - \cos^2 u + 1$$

$\cos^2 \alpha = \cos^2 \gamma / 2 - \sin^2 \gamma / 2$, $\cos^2 \gamma / 2 = 1 + \cos \gamma / 2$ (see 10)
 $\Rightarrow \cos^2 \alpha = \frac{1}{2} (1 + \cos \gamma)$, $\frac{\sqrt{1 + \cos \gamma}}{2} = \frac{1 + \sqrt{1 + \cos \gamma}}{2}$
 $\Rightarrow \cos \alpha = \frac{1 + \sqrt{1 + \cos \gamma}}{2}$

$\sin 45^\circ, \cos 45^\circ \rightarrow \frac{\sqrt{1+1}}{2}$ ✓