

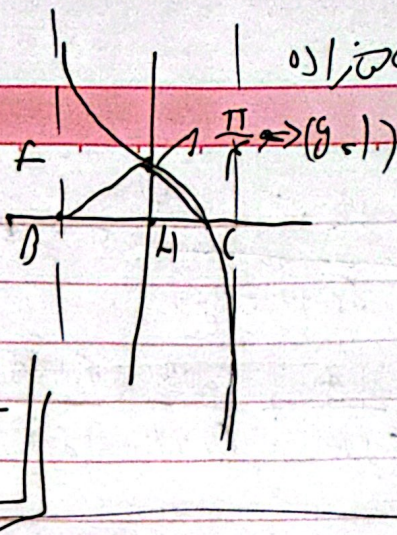
۲. آخرین

آردین و سزا ده

DATE:

SUBJECT:

$$y = \tan\left(-\frac{r}{\frac{1}{\frac{1}{T}}}\right)$$



$$AH \perp BC \Rightarrow \frac{\pi}{\mu} \Rightarrow \frac{1}{\mu} \propto \frac{\pi}{\mu} \Rightarrow \frac{\pi}{\mu}$$

$$u^2 - (\sin a)u - \frac{1}{\mu} \cos^2 a = 0$$

$$u = \frac{r}{\mu} \Rightarrow \frac{r}{\mu} - \frac{r}{\mu} \sin a - \frac{1}{\mu} \cos^2 a = 0 \Rightarrow \frac{1}{\mu} (r \sin a - \cos^2 a) = 0$$

$$\Rightarrow r \sin a - \cos^2 a = 0 \Rightarrow (r \sin a - \cos^2 a) = 0 \Rightarrow \begin{cases} \sin a = \frac{\cos^2 a}{r} \\ \sin a = \frac{\cos^2 a}{r} \end{cases}$$

$$\Rightarrow 1 + \tan^2 a = \frac{1}{\cos^2 a}, \cos^2 a = 1 - \sin^2 a \Rightarrow \frac{1}{1} = \frac{1}{\cos^2 a}$$

$$1 + \tan^2 a = \frac{1}{\cos^2 a}$$

$$1 + \frac{\sin^2 a}{\cos^2 a} = \frac{1}{\cos^2 a} \Rightarrow \frac{\cos^2 a + \sin^2 a}{\cos^2 a} = \frac{1}{\cos^2 a} \Rightarrow \frac{1}{\cos^2 a} = \frac{1}{\cos^2 a}$$

$$\tan a = \frac{\sin a}{\cos a} \Rightarrow \frac{\sin a}{\cos a} = \frac{\sin a}{\cos a} \Rightarrow \frac{\sin a}{\cos a} = \frac{\sin a}{\cos a}$$

$$\frac{1}{\cos^2 a} = \frac{1}{\cos^2 a} \Rightarrow \cos^2 a = \frac{1}{1} \Rightarrow \sin^2 a = 1 - \cos^2 a = \frac{1}{1}$$

$$\sin a = \cos a = \frac{1}{1} \Rightarrow \frac{1}{1} = \frac{1}{1} \Rightarrow \frac{1}{1} = \frac{1}{1}$$

$$\frac{\sqrt{1 + \sinh^2}}{\sinh \cdot \cosh} = \frac{\sqrt{1 + \cosh^2}}{\sinh(r_1 + r_2) + \sinh(r_1 - r_2)}$$

(V) لم

قاب
نہیں

$$\Rightarrow \frac{\sqrt{r} \cosh r}{r \sinh^2 \cosh r}$$

باز

$$\frac{\sqrt{r}}{r \sinh^2 \cosh r} = \frac{\sqrt{r}}{r}$$

$$\sinh^2 u + 1 - \sinh^2 u = \frac{r}{0} \Rightarrow \sinh^2 u - \sinh^2 u = -\frac{1}{0} \quad (r)$$

$$\sinh^2 u (\sinh^2 u - 1) = \frac{1}{0} \Rightarrow \sinh^2 u \cosh^2 u = \frac{1}{0}$$

$$(\cosh^2 u + \sinh^2 u) + (\sinh^2 u / \cosh^2 u) = 1 - r \sinh^2 \cosh^2 u + 1 = \frac{r}{0}$$

$$\left[\cosh^2 u + \sinh^2 u = \frac{r}{0} \right] \checkmark$$

$$\frac{r \sinh u + \sinh u \cosh u}{r \sinh^2 u} = \frac{\sinh u (r + \cosh u)}{r \sinh^2 u} = \frac{r + \cosh u}{r \sinh u} \quad (1)$$

$$\Rightarrow \sinh u < 0$$

$$\frac{\sinh^2 u - 1}{\cosh^2 u} > 0 \Rightarrow -\frac{\cosh^2 u}{\cosh^2 u} > 0, \cosh u < 0 \quad (2)$$

①, ② → عام سم



$$(1 - r \sinh^2 \rho) (r \cosh^2 \rho - 1) \left(\frac{1 - \tanh^2 \rho}{1 + \tanh^2 \rho} \right)$$

(1)

$$\rightarrow \cosh \rho_1 \cosh \rho_2 \cosh \rho_3 \sinh \rho_1 \cosh \rho_1 \cosh \rho_2 \cosh \rho_3$$

$$= \frac{1}{\Lambda} \frac{\sinh \Lambda}{\sinh 1} \cdot \frac{\cosh 1}{\Lambda \sinh 1} \cdot \frac{\cosh 1}{\Lambda}$$

(9) [این دو با هم]

$$\sinh a + r \cosh a \sinh \rho \Rightarrow \sinh a \sinh \rho + r \cosh a$$

$$\Rightarrow \sinh^2 a \cosh^2 \rho + r \cosh^2 a \Rightarrow 1 \cosh^2 a - 1 r \cosh^2 a + r^2$$

$$1 \cosh^2 a - 1 r \cosh^2 a - d \sinh a \Rightarrow d \cosh^2 a - 1 r \cosh^2 a - 1$$

$$\cosh^2 \frac{A}{r} \cdot \frac{1 + \cosh A}{r} \cdot \frac{1 - \cosh(B+C)}{r} \cdot \sinh B \sinh C$$

(1)

$$1 - \cosh(B+C) \sinh B \sinh C \Rightarrow \sinh B \sinh C + \cosh B \cosh C$$

$$\cosh B \cosh C - \sinh B \sinh C \Rightarrow \cosh(B-C)$$

$$B = C \Rightarrow A = \pi$$

$$B, C, A \in \mathbb{N}$$

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12/06/2021

$$\frac{P \cosh u + P \sinh u}{\sinh u \cosh u} = 0 \Rightarrow P \cosh u = -\frac{P}{\sinh u} \sinh u \quad (1)$$

$$\frac{\cosh u}{\cosh u} + \frac{\sinh u}{\sinh u} = \frac{\sinh u}{\sinh u \cosh u} + \frac{1}{\sinh u \cosh u} = \frac{1}{\sinh u \cosh u} = -\frac{P}{\sinh u} \sinh u \quad (2)$$

$$P \sinh u = -P \cosh u \Rightarrow \sinh u = -\cosh u \Rightarrow \sinh u = -\cosh u$$

$$\Rightarrow \sinh u = -\frac{P}{\sinh u} \Rightarrow \sinh^2 u = -P \Rightarrow \sinh u = \pm \sqrt{-P}$$

