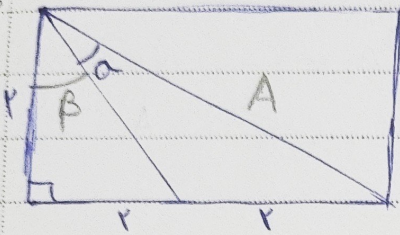




$\frac{\sqrt{3}}{4} = \frac{1}{2}$

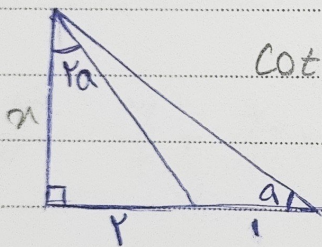
$S_{\Delta} = \frac{1}{2} AB \sin a \rightarrow K_{\Delta} = \frac{1}{2} \times 4 \times \sqrt{3} \times \sin a \rightarrow$   
 $\sin a = \frac{\frac{\sqrt{3}}{2}}{\frac{2 \times 4 \times \sqrt{3}}{2}} = \frac{\sqrt{3}}{4} \rightarrow \sin a = \frac{\sqrt{3}}{4}$   
 $\rightarrow \sin a = 12\%$   
 $\rightarrow \sin a = 4\%$



$\tan \beta = \frac{r}{r} = 1, a + \beta = \theta \rightarrow \tan \theta = \frac{r}{r} = r$

$\rightarrow \tan a = \tan(\theta - \beta) = \frac{\tan \theta - \tan \beta}{1 + \tan \theta \tan \beta}$

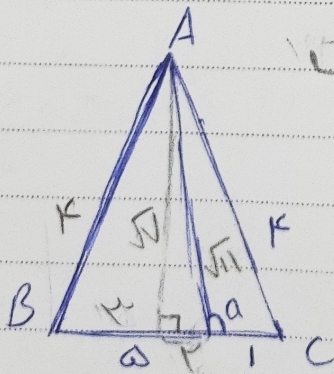
$\tan a = \frac{r-1}{1+r} = \frac{1}{r} \rightarrow \cot a = r$



$\cot \alpha = \frac{a}{r}, \cot a = \frac{r}{a}, \cot \alpha = \frac{\cot a - 1}{r \cot a} \rightarrow$

$\frac{a}{r} = \frac{\frac{r-a}{a}}{\frac{r}{a}} \rightarrow \frac{a}{r} = \frac{r-a}{r}$

$r a^r = r - a^r \rightarrow a^r = \frac{r}{r} \rightarrow a = \frac{r}{r} \rightarrow \cot a = r$



$h_a = \sqrt{v} \rightarrow \tan(180^\circ - a) = -\tan a \Rightarrow$

$-\tan a = \frac{\sqrt{v}}{r} \rightarrow \tan a = -\frac{\sqrt{v}}{r}$

$r \sin^r m + \cos^r m = \frac{r}{r} \rightarrow \sin^r m + \cos^r m + \sin^r m = \frac{r}{r} \rightarrow$

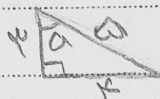
$\sin^r m = \frac{1}{r} \rightarrow \cot^r m + 1 = \frac{1}{\sin^r m} \rightarrow \cot^r m = r \rightarrow \tan^r m = \frac{1}{r}$

$$\frac{\sin^k a + r \cos^k a}{1 + \cos^k a} - \frac{\cos^k a + r \sin^k a}{1 + \sin^k a} \Rightarrow$$

$$\frac{\cos^k a + r \cos^k a + 1}{1 + \cos^k a} - \frac{\sin^k a + r \sin^k a + 1}{1 + \sin^k a} \Rightarrow$$

$$\frac{(1 + \cos^k a)^r}{1 + \cos^k a} - \frac{(1 + \sin^k a)^r}{1 + \sin^k a} = 1 + \cos^k a - r \sin^k a \cos^k a$$

$$\sin\left(\frac{9\pi}{r} + a\right) \cos\left(\frac{v\pi}{r} - a\right) - \tan\left(a - \frac{r\pi}{r}\right) \rightarrow \tan\left(\frac{r\pi}{r} - a\right)$$

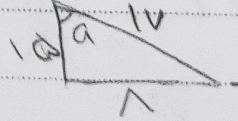
$$\cos a \times \sin a + \cot a = 0, r v$$


$$\frac{v}{w} \times \frac{r}{w} + \frac{r}{v} = \frac{-r v + v^2}{100}$$

$$(r \cos^k m + \sqrt{r} \sin^k m - \sqrt{r} \cos^k m) = r \cos \frac{\pi}{r} - \sqrt{r} (\cos^k m - \sin^k m)$$

$$\rightarrow \frac{r}{r} - \sqrt{r} \left( \frac{\cos^k m - \sin^k m}{\cos^k m + \sin^k m} \right) = \frac{r}{r} - \sqrt{r} \left( \frac{\cos \frac{\pi}{r}}{\sqrt{r} \sin\left(\frac{\pi}{r} + \frac{\pi}{r}\right)} \right) \rightarrow \sin \frac{\pi}{r}$$

$$= \frac{r}{r} - \frac{\sqrt{r}}{\frac{\sqrt{r}}{r}} = \frac{1}{r}$$

$$\tan a = \frac{r \tan\left(\frac{a}{r}\right)}{1 - \left(\tan\left(\frac{a}{r}\right)\right)^r} \Rightarrow \tan a = \frac{\frac{1}{r}}{1 - \left(\frac{1}{r}\right)^r} = \frac{1}{10} \rightarrow$$


$$\frac{\frac{1}{10} - \frac{1}{10}}{\frac{1}{10} - \frac{1}{10}} = \frac{1(10 - 10)}{10 \times 10} = \frac{10}{100}$$

$$\frac{1}{10} - \frac{1}{10} = \frac{10 \times 10}{10 - 10} = \frac{10}{10}$$

Subject:

Year:

Month:

Day:

page: ( )

$$-1 < \cos a < 1 \rightarrow \frac{-1}{\sin a} < \frac{1}{\sin a} \rightarrow \frac{1}{\sin a} < \frac{1}{\sin a} \rightarrow \sin a < 0$$

$$r \sin a < r \sin a \cos a \rightarrow r \sin a (1 - \cos a) < 0 \rightarrow \sin a < 0$$

$$\frac{\cos a}{\sin a} > 0 \rightarrow \frac{\cos a}{\sin^2 a} > 0 \rightarrow \cos a > 0 \rightarrow \frac{1}{\sin^2 a} > 0$$

10

10