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$$1) \tan\left(r\pi - \frac{\pi}{r}\right) + \sin\left(r\pi - \frac{\pi}{r}\right) \times \cos\left(r\pi + \frac{\pi}{r}\right) \rightarrow -\tan\left(\frac{\pi}{r}\right) + (-\sin\frac{\pi}{r} \times -\cos\frac{\pi}{r}) = -1 + \frac{1}{r} = -\frac{1}{r} \quad (1)$$

$$-1 \tan\left(r\pi - \frac{\pi}{r}\right) \times \sin\left(r\pi - \frac{\pi}{r}\right) + \cos\left(r\pi + \frac{\pi}{r}\right) = (-\tan\left(\frac{\pi}{r}\right) \times -\sin\left(\frac{\pi}{r}\right)) - \cos\left(\frac{\pi}{r}\right) \Rightarrow \frac{1}{r} - \frac{1}{r} = 0$$

$$\div \sin \rightarrow \frac{r \cot \alpha - 1}{\cot \alpha + 1} = \frac{r \times r - 1}{r + 1} = \frac{r^2 - 1}{r + 1} = r/r \quad (2)$$

$$(r \cos \alpha)^r + \cos^r \alpha = 1 \rightarrow r \cos^r \alpha + \cos^r \alpha = 1 \quad \alpha \cos^r \alpha = 1 \quad \cos^r \alpha = \frac{1}{\alpha} \quad \cos \alpha = \sqrt[r]{\frac{1}{\alpha}} \quad (3)$$

$$1) 1 - \frac{r}{1} = \frac{9\alpha}{1} \rightarrow \frac{\sqrt{9\alpha}}{1} \rightarrow \frac{\sqrt{9r}}{1} \quad \cos\left(\alpha + \frac{r\pi}{r}\right) = \cos \alpha \cos \frac{r\pi}{r} - \sin \alpha \sin \frac{r\pi}{r} \quad (4)$$

$$-\frac{\sqrt{9r}}{1} \times -\frac{\sqrt{r}}{r} = \frac{\sqrt{r}}{1} \times \frac{\sqrt{r}}{r} = \frac{r}{\alpha}$$

$$2) \frac{1}{r} = r\pi + \frac{\pi}{r} \rightarrow -\sin\left(\frac{\pi}{r} + \alpha\right) \quad \sin \frac{\pi}{r} \cos \alpha + \cos \frac{\pi}{r} \sin \alpha \quad \frac{\sqrt{r}}{r} \times \frac{1}{\sqrt{r}} + \frac{\sqrt{r}}{r} \times \frac{1}{\sqrt{r}} = \frac{2}{r}$$

$$\sin\left(\frac{1}{r} + \alpha\right) = -\frac{r}{\alpha}$$

$$\sin^r \alpha = 1 - \cos^r \alpha \rightarrow r(1 - \cos^r \alpha) + \cos^r \alpha = \frac{r}{r} \rightarrow \cos^r \alpha = \frac{r}{r} \quad 1 + \tan^r \alpha = \frac{1}{\cos^r \alpha} \rightarrow 1 + \tan^r \alpha = \frac{r}{r} \quad \tan^r \alpha = \frac{1}{r} \quad (5)$$

$$S = \frac{1}{r} \times 9\sqrt{r} \times \sin \alpha = r/\alpha \quad r\sqrt{r} \sin \alpha = r/\alpha \quad \sin \alpha = \frac{r/\alpha}{r\sqrt{r}} = \frac{\sqrt{r}}{r} \quad \left. \begin{matrix} \alpha = r. \\ \alpha = 1/r. \end{matrix} \right\} \Rightarrow \frac{1/r}{r} = \frac{r}{r} \quad (6)$$

$$\left(\frac{1}{r} \times r \times r \times \sin \theta\right) \times r = \alpha r \quad r \times \frac{1}{r} = r \times r = \alpha r \quad r = \sqrt[4]{1\alpha} \quad p = (r\sqrt{1\alpha} + r\sqrt{1\alpha}) \times r = 1.5\sqrt{1\alpha} \quad (7)$$

$$S_{ABC} = \frac{1}{r} \times \alpha \times V \times \sin \hat{A} = \frac{r\alpha}{r} \sin \hat{A} = V/\alpha \sin \hat{A} \quad (8)$$

$$S_{ADE} = \frac{1}{r} \times r \times V \times \sin \hat{A} = V \sin \hat{A} \quad V/\alpha \sin \hat{A} - V \sin \hat{A} = V/\alpha \quad r \sin \hat{A} = 1/V\alpha$$

$$\sin \hat{A} = 1/\alpha = \frac{1}{r} \quad \hat{A} = r. \Rightarrow \tan r. = \frac{\sqrt{r}}{r}$$

$$rBN = rNC \rightarrow BN = \frac{r}{r} NC \Rightarrow \frac{r}{r} NC + NC = \frac{2}{r} NC \quad S_{ABC} = \frac{1}{r} \times \frac{2}{r} NC \times AB \times \sin \hat{B} \quad (9)$$

$$\rightarrow r\left(\frac{1}{r} \times \frac{r}{r} NC \times MB \times \sin \hat{B}\right) \quad \frac{NC \times AB \times \sin \hat{B}}{BM + AM} = \frac{q}{r} NC \times MB \times \sin \hat{B} \quad \frac{2AM}{r} = MB \quad \frac{BM}{AM} = \frac{2}{r}$$

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$$\frac{|\sin \alpha|}{\cos \alpha} = -\frac{1}{\cot \alpha} \rightarrow \frac{|\sin \alpha|}{\cos \alpha} = -\frac{\sin \alpha}{\cos \alpha} \rightarrow \sin \alpha < 0$$

(1.

$$\frac{1}{\sqrt{\cos^2 \alpha}} = \tan \alpha = \frac{1 + \sin \alpha}{|\cos \alpha|} \rightarrow \tan \alpha = -\frac{\sin \alpha}{|\cos \alpha|}$$

$\sqrt{\cos^2 \alpha} \rightarrow |\cos \alpha|$

$$\cos \alpha > 0$$

$$\cos \alpha < 0$$

$$\tan \alpha = -\tan \alpha \times$$

$$\tan \alpha = \tan \alpha \checkmark$$

$$\rightarrow \cos \alpha < 0, \sin \alpha < 0 \rightarrow \text{pm}$$