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$$S_{ABC} = \frac{1}{2} \cdot \frac{R}{r} \cdot \left(\frac{R}{r} \right)$$

✓

$$y = \tan(-2\pi) + 1$$

$$B = \begin{vmatrix} 0 \\ 1 \end{vmatrix} \quad \tan \frac{R}{r}$$

$$\frac{R}{(-1)^2} = \frac{R}{1} = R$$

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$$\frac{1}{a} - \frac{1}{b} - \frac{1}{c} (1 - s^2) = 0 \rightarrow \frac{1}{a} - \frac{1}{b} + \frac{s^2}{c} - \frac{1}{c} = 0$$

$$s^2 = \frac{1}{a} - \frac{1}{b} + \frac{1}{c} = \frac{1}{9} - \frac{1}{16} + \frac{1}{25} = \frac{1}{900}$$

$$s = \frac{1}{30}$$

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$$\log \frac{-\sin}{\cos} = \log -\tan \alpha \rightarrow \tan \alpha = -1$$

$$\log \sin \alpha = \log \frac{1}{\sqrt{2}} \rightarrow \sin \alpha = \frac{1}{\sqrt{2}}$$

$$\log -\cos \alpha = \log \frac{1}{\sqrt{2}} \rightarrow -\cos \alpha = \frac{1}{\sqrt{2}} \rightarrow \cos \alpha = -\frac{1}{\sqrt{2}}$$

$$(S - C)^2 = 1 - \frac{1}{2} = \frac{1}{2}$$

$$S - C = \frac{1}{\sqrt{2}}$$

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$$S^2 + C^2 = S^2 + 1 - S^2 = 1 \rightarrow S^2 = \frac{1}{2}$$

$$\sin^2 \theta + \cos^2 \theta = \frac{1}{2} \rightarrow (\sin^2 \theta)^2 + \cos^2 \theta = \frac{1}{2}$$

$$(1 - \cos^2 \theta)^2 + \cos^2 \theta = \frac{1}{2} \rightarrow 1 - 2\cos^2 \theta + \cos^4 \theta + \cos^2 \theta = \frac{1}{2}$$

$$\cos^4 \theta - \cos^2 \theta + \frac{1}{2} = 0$$

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$$\frac{\sin \cdot \sin}{\cos} = \frac{1}{\cos} \rightarrow \sin^2 = \frac{1}{\cos}$$

$$\sin^2 = \frac{1}{\cos} \rightarrow \cos^2 = \frac{1}{\sin^2}$$

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

$$\sin^2 = \frac{1}{2}$$

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$$\frac{\mu}{\sin} + \frac{\mu}{\cos} \propto \mu \cos + \mu \sin \propto \mu \cos - \mu \sin$$

$$\tan = \frac{\mu}{-\mu} \quad \cot = \frac{-\mu}{\mu}$$

② ✓

$$\tan + \cot = \frac{\mu}{-\mu} + \frac{-\mu}{\mu} = \frac{-1\mu}{1}$$

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