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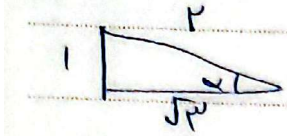
$S_{\square} = \sin 30 \times 2a \times \frac{\sqrt{3}}{2}a = 8\sqrt{3} \rightarrow a = 4\sqrt{3} \rightarrow P_{\square} = 10a = 40\sqrt{3}$ -1

$\frac{1}{2} \times 8 \times V \times \sin A - \frac{1}{2} \times 6 \times V \times \sin A = 1 \quad V = 8 \quad \sin A = \frac{1}{2}$ -2



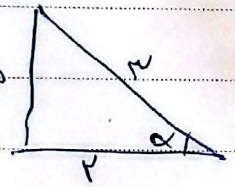
$\tan A = \frac{\sqrt{3}}{3}$

$\frac{|\sin\alpha|}{\cos\alpha} = \frac{-\sin\alpha}{\cos\alpha} \rightarrow \sin\alpha < 0 \quad \frac{1}{|\cos\alpha|} - \frac{1+\sin\alpha}{|\cos\alpha|} = \frac{\sin\alpha}{\cos\alpha}$ -3

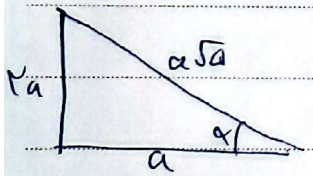
$\cos\alpha < 0 \leftarrow \frac{\sin\alpha}{-|\cos\alpha|} = \frac{\sin\alpha}{\cos\alpha}$

$m = \frac{1/\alpha}{2} = \frac{3}{4} \rightarrow \tan\alpha = -\frac{3}{4} \quad \tan\left(\frac{\pi}{2} - \alpha\right) = \cot\alpha = \frac{-4}{3}$ -4

$\cos 279 = m \qquad \frac{-3m - 2m}{-m - m} = \frac{5}{2}$ -5



$\frac{\cos\alpha + \sin\alpha}{|1 + \tan^2\alpha - 1|} = \frac{\frac{2}{3} - \frac{\sqrt{5}}{3}}{\frac{1}{4}} = \frac{4(2 - \sqrt{5})}{3}$ -6



$\cos\alpha = \frac{-a}{a\sqrt{5}} = \frac{-\sqrt{5}}{5}$ -7

-8

$\tan 60 = \sqrt{3} \qquad \frac{-2m}{m^2 - 1} = \sqrt{3} \quad \sqrt{3}m^2 - \sqrt{3} + 2m = 0$

$\frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{4 + 4 \times \sqrt{3} \times \sqrt{3}}}{\sqrt{3}} = \frac{4\sqrt{3}}{3}$

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-9

$0 < \frac{\pi}{4} - u < \frac{\pi}{2} \rightarrow 0 < \tan\left(\frac{\pi}{4} - u\right)$

$0 < \frac{1-m}{2+m} \quad \frac{-2}{-3+4} \longrightarrow -2 < m < 1$

-10

$-\sqrt{2} \times -\frac{\sqrt{2}}{2} + -\sqrt{2} \times \frac{+\sqrt{2}}{2} = 0$