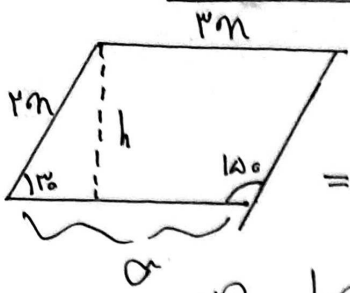


تعداد کتب: ۲۶
 نام خانوادگی: ...
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$$S = \text{base} \times \text{height} \Rightarrow h = \frac{S}{\text{base}} = \frac{20 \times \sin 60^\circ}{1} = 10\sqrt{3}$$

$$\Rightarrow S = 20 \times 10\sqrt{3} = 200\sqrt{3} \Rightarrow \alpha^2 = 1 \Rightarrow \alpha = \sqrt{2}$$

$$P = 100\alpha \Rightarrow 10 \times \sqrt{2} = 10\sqrt{2}$$

$$S_{ABC} = \frac{\Delta \times V \times \sin A}{P}$$

$$S_{ADE} = \frac{P \times V \times \sin A}{P}$$

$$\Rightarrow 1, V \Delta = (1, V \Delta - 1, P) \sin A =$$

$$\sin A = \frac{1}{P} \Rightarrow A = 30^\circ \rightarrow \text{Cot } 30^\circ = \frac{\sqrt{3}}{3}$$

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

$$\frac{1}{|\cos \alpha|} - \frac{\sin \alpha}{\cos \alpha} = \frac{1 + \sin \alpha}{|\cos \alpha|} \Rightarrow -\frac{\sin \alpha}{\cos \alpha} = \frac{\sin \alpha}{|\cos \alpha|} \Rightarrow \cos \alpha < 0$$

در این صورت ...

$$\tan \alpha = \frac{\Delta y}{\Delta x} \Rightarrow \alpha = \frac{\Delta y}{\Delta x} = \frac{1, \Delta}{-P} = -\frac{P}{P}$$

$$\tan\left(\frac{\pi}{2} - \alpha\right) = \cot \alpha \Rightarrow \cot \alpha = \frac{1}{\tan \alpha} \Rightarrow \cot \alpha = -\frac{P}{P}$$

$$\frac{P \cos\left(\frac{\pi}{2} - 22^\circ\right) - P \sin\left(\frac{\pi}{2} - 22^\circ\right)}{\sin\left(\frac{\pi}{2} + 22^\circ\right) - \cos\left(\frac{\pi}{2} + 22^\circ\right)} = \frac{-P \sin 22^\circ - P \sin 22^\circ}{-\sin 22^\circ - \sin 22^\circ} = \frac{-2P \sin 22^\circ}{-2 \sin 22^\circ} = P$$

$$\frac{\sin\left(\frac{\pi}{\sqrt{3}} + \alpha\right) - \sin(\alpha - \frac{\pi}{\sqrt{3}})}{|\tan \alpha - 1|} \Rightarrow \frac{\cos \alpha + \sin \alpha}{|\tan \alpha - 1|} \Rightarrow \frac{\frac{\sqrt{3}}{\sqrt{3}} + \frac{\sqrt{3}}{\sqrt{3}}}{\frac{1}{\sqrt{3}}} = \frac{F(\sqrt{3} + \sqrt{3})}{\sqrt{3}}$$

$$\cos \alpha = \frac{\sqrt{3}}{\sqrt{3}} \Rightarrow 1 + \cos \alpha = \frac{1}{\cos \alpha} \Rightarrow 1 + \tan^2 \alpha = \frac{1}{\cos^2 \alpha} \Rightarrow \tan \alpha = \frac{\sqrt{3}}{\sqrt{3}}, \sin \alpha = \frac{\sqrt{3}}{\sqrt{3}}$$

$$\sin \alpha = \sqrt{3} \cos \alpha \Rightarrow \sin^2 \alpha + \cos^2 \alpha = 1 \Rightarrow F \cos^2 \alpha + \cos^2 \alpha = 1$$

$$\Rightarrow \cos \alpha = \frac{1}{\sqrt{3}} \rightarrow \text{مربع الجيب} \Rightarrow \frac{1}{\sqrt{3}}$$

$$(m^2 - 1)y = -2m\alpha + \sqrt{3} \Rightarrow \alpha = \frac{-2m}{m^2 - 1} = \tan \alpha_0$$

$$\Rightarrow \sqrt{3}m^2 + 2m - \sqrt{3} = 0 \Rightarrow |m_2 - m_1| = \frac{\sqrt{\Delta}}{|a|} \Rightarrow \frac{\sqrt{F - Fx - \sqrt{3}x\sqrt{3}}}{\sqrt{3}}$$

$$\frac{F}{\sqrt{3}} = \frac{F\sqrt{3}}{\sqrt{3}}$$

$$-\frac{\pi}{F} \langle m \cdot \frac{\pi}{F} \Rightarrow \frac{\pi}{F} \rangle - m \rangle - \frac{\pi}{F} \Rightarrow \frac{\pi}{F} \rangle \frac{-\alpha + \frac{\pi}{F}}{F} > 0$$

$$\alpha \langle \frac{\pi}{F} \Rightarrow \tan \alpha > 0 \Rightarrow \frac{1-m}{\sqrt{3}+m} > 0$$

$$m \in (-\sqrt{3}, 1)$$

$$\tan(120^\circ) = -\sqrt{3}$$

$$\cos(120^\circ) = -\frac{\sqrt{3}}{\sqrt{3}} \Rightarrow \frac{-\sqrt{3}}{\sqrt{3}} \times \sqrt{3} = \frac{\sqrt{3}}{\sqrt{3}}$$

$$\tan(60^\circ) = \tan(120^\circ) = -\sqrt{3}$$

$$\Rightarrow \frac{\sqrt{3}}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} = 0$$

$$\sin(120^\circ) = \sin(60^\circ) = \frac{\sqrt{3}}{\sqrt{3}} \Rightarrow -\sqrt{3} \times \frac{\sqrt{3}}{\sqrt{3}} = \frac{-\sqrt{3}}{\sqrt{3}}$$