

$$\frac{1}{\sqrt{2}} \times \sqrt{2} \times \sin \alpha = \frac{4}{\sqrt{2}} \times \frac{1}{\sqrt{2}}$$

$$\sin \alpha = \frac{\sqrt{2}}{2} \rightarrow \angle 45^\circ \quad \frac{12g}{4g} = 3$$

$$\sqrt{2} \sin \alpha = \frac{4}{\sqrt{2}}$$

$$\sin \alpha = \frac{4}{\sqrt{2}} = \frac{4 \times \sqrt{2}}{\sqrt{2} \times \sqrt{2}} = \frac{4\sqrt{2}}{2} = \frac{\sqrt{2}}{2}$$

$$a \times b \times \sin 180^\circ = 0$$

$$\frac{a}{b} = \frac{1}{\sqrt{2}} \quad ab = 1 \times 1$$

$$\frac{ab}{\sqrt{2}} = 0$$

$$\frac{a}{b} \times ab = a^2 = \frac{1}{\sqrt{2}} \times 1 \times 1 = \frac{1}{\sqrt{2}}$$

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

$$b = \frac{1}{\sqrt{2}}$$

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$$P = 12\sqrt{2} + 12\sqrt{2} = 24\sqrt{2}$$

$$\frac{f \times V \times \sin A}{\sqrt{2}} = \frac{a \times V \times \sin A}{\sqrt{2}} = \frac{1 \times a}{1 \times \sqrt{2}}$$

$$\sin^2 + \cos^2 = 1$$

$$\frac{1}{\sqrt{2}} + \cos^2 = 1$$

$$\cos^2 = \frac{1}{\sqrt{2}}$$

$$\tan A = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$V \sin A = \frac{1 \times a}{\sqrt{2}}$$

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$$\sin A = \frac{1 \times a}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

$$\cos = \frac{\sqrt{2}}{2}$$

$$\frac{1}{\sqrt{2}} \times \sqrt{2} \times \sin \alpha = \frac{1}{\sqrt{2}} \times \sqrt{2} \times \sin \alpha$$

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

$$\frac{-1}{|\cos \alpha|} = \frac{1}{\cos \alpha} \Rightarrow \frac{-1}{|\cos \alpha|} \times (|\cos \alpha| \times \cos \alpha) = \frac{1}{\cos \alpha} \times (|\cos \alpha| \times \cos \alpha) \Rightarrow -\cos \alpha = |\cos \alpha|$$

$$\cos \alpha < 0$$

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

$$\sin \alpha < 0$$

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