

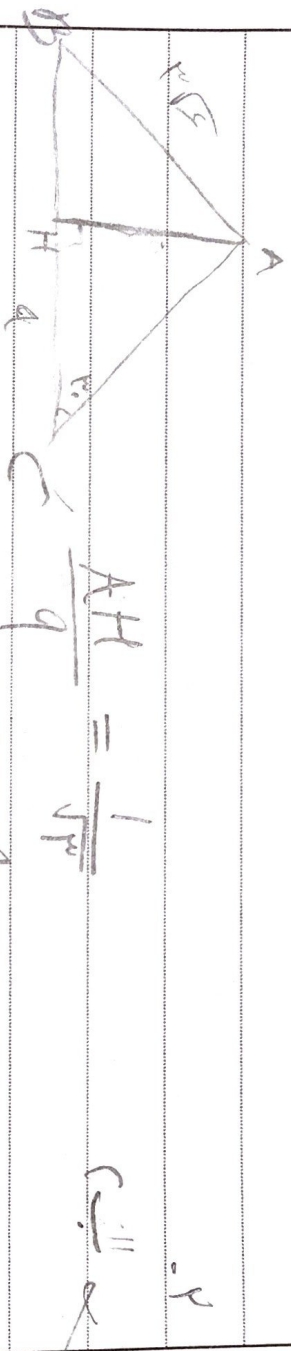
امتحان

$$\left(\frac{\sqrt{2}}{2} - \frac{\sqrt{2}}{2}\right) \left(\frac{\sqrt{2}}{2} - \left(-\frac{\sqrt{2}}{2}\right)\right) = \left(\frac{\sqrt{2}}{2}\right)^2 - \left(\frac{\sqrt{2}}{2}\right)^2$$

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

$$1 + \sqrt{2} \times \left(\frac{1}{\sqrt{2}}\right)^2 = 1 + \sqrt{2} \times \frac{1}{2}$$

$$\frac{1 + \sqrt{2} \times \frac{1}{2}}{\sqrt{2} \times \left(\frac{\sqrt{2}}{2}\right)^2 + 1 \times \left(\frac{\sqrt{2}}{2}\right)^2} = \frac{1 + \frac{\sqrt{2}}{2}}{\frac{2}{2} + \frac{2}{2}} = \frac{1 + \frac{\sqrt{2}}{2}}{2} = \frac{1}{2}$$

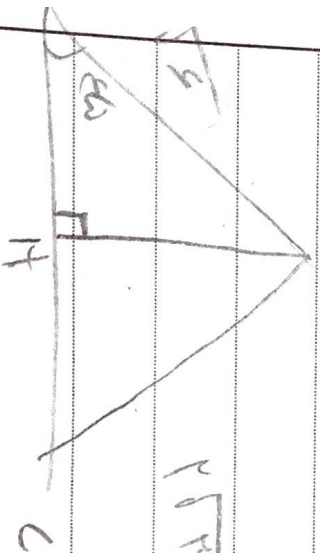


$$\frac{AH}{q} = \frac{1}{\sqrt{2}}$$

$$AH = \frac{q}{\sqrt{2}}$$

$$\sin B = \frac{q}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}} \Rightarrow B = \boxed{45^\circ}$$

$$B = \boxed{45^\circ}$$



$$\sin C = \frac{\sqrt{2}}{2} = \frac{AH}{2} \Rightarrow AH = \frac{\sqrt{2}}{2}$$

$$\left(\sqrt{2}\right)^2 - \left(\frac{\sqrt{2}}{2}\right)^2 =$$

$$1 - \frac{2}{4} = 9 \Rightarrow HIC^2$$

$$\frac{\frac{1}{r} \times r \times \epsilon \times \sin \theta_1}{\frac{1}{r} \times r \times \epsilon \times \sin \theta_2} = \frac{A}{1/r} = \frac{\epsilon}{a}$$

$$r \times \epsilon \times \sin \theta_1 = \epsilon \sqrt{\frac{r}{a}}$$

$$\frac{1}{r} \times r \times \epsilon \times \sqrt{\frac{r}{a}} = r \sqrt{\frac{r}{a}} \quad (\div)$$

$$y = a \cos \theta \quad a = \tan \alpha = \Delta g \left[\cos^{-1} \frac{r}{\sqrt{a}} \right] = v$$

$$\frac{\epsilon}{r - (-1)} = \frac{r}{\epsilon} = \frac{1}{r} \rightarrow 1 + \tan^2 \theta = \frac{1}{\cos^2 \theta} \quad \left(\frac{1}{1 + \frac{1}{\epsilon} \cos^2 \theta} = \frac{1}{\cos^2 \theta} \right) \Rightarrow \frac{1}{\epsilon} = \frac{1}{\cos^2 \theta} \Rightarrow \frac{1}{\epsilon} = \frac{1}{\cos^2 \theta}$$

$$r g = r m + a \frac{1}{r} \rightarrow g = m + \frac{a}{r} \Rightarrow m = 1 \quad - \Delta$$

$$\tan \theta = 1 \Rightarrow \theta = \epsilon a$$

$$y = m x + b \Rightarrow m = \tan \theta_1 = -\sqrt{r}$$

$$\frac{a}{r} = -\sqrt{r} \cdot \cos \theta + b \rightarrow b = \frac{a}{r}$$

$$m b = \frac{a}{r} \cdot (-\sqrt{r})$$

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Subject:

$$f(x) = -\cos x + \cos x + \cot x = \cot x - 1$$

$$\cot 190^\circ = -\sqrt{3}$$

$$\cos x + \sin x = -1$$

$$-\cos x + \sin x$$