

الف)

$$\frac{27}{18} = \frac{\pi}{\pi} \Rightarrow n = \frac{27\pi}{18} \Rightarrow n = \frac{3\pi}{2}$$

ب)

$$\frac{128}{18} = \frac{\pi}{\pi} \Rightarrow n = \frac{128\pi}{18} \Rightarrow n = \frac{64\pi}{9}$$

ج)

$$\frac{8\pi}{12} = \frac{\pi}{18} \Rightarrow n = 54^\circ \quad \textcircled{2} \quad \checkmark$$

$$\frac{8\pi}{9} = \frac{\pi}{18} \Rightarrow \frac{8}{9} = \frac{1}{18} \Rightarrow n = 18^\circ$$

$$\frac{128a}{9} = \frac{\pi}{18} \Rightarrow n = \frac{128a}{9} \times \frac{18}{\pi} = 12,8a$$

$$\frac{a\pi}{18} = \frac{\pi}{18} \Rightarrow \frac{a\pi}{18} = \frac{\pi}{18} \Rightarrow 12,8a$$

$$12,8a + 12,8a + 10a = 18 \Rightarrow 35,6a = 18 \Rightarrow a = \frac{18}{35,6}$$

$$\frac{1}{2} \cdot \frac{\sqrt{3}}{2} - \frac{\sqrt{3}}{2} \cdot \frac{1}{2} - \frac{1}{2} = 1$$

$$\frac{\left(\frac{1}{\sqrt{3}}\right)^2 + 1 + \left(\sqrt{3}\right)^2}{\sqrt{3} - \frac{\sqrt{3}}{2}} = \frac{13}{\frac{2\sqrt{3}}{2}} = \frac{13}{\sqrt{3}}$$

$$-\frac{1}{2} \cdot \frac{1}{2} + \frac{\sqrt{3}}{2} \cdot \frac{\sqrt{3}}{2} = \sin^2 \theta$$

$$-\frac{1}{4} + \frac{3}{4} = \sin^2 \theta \Rightarrow \sin^2 \theta = \frac{1}{2} \Rightarrow \sin \theta = \frac{\sqrt{2}}{2}$$

$$\Rightarrow \theta = 45^\circ / 135^\circ, \tan 45^\circ = 1$$

غیر قابل قبول

Subject :

Date

$$\frac{r \cdot \frac{\sqrt{r}}{r} \left(1 - \frac{1}{r}\right)}{\frac{(1 - \frac{1}{r}) \cdot \frac{r}{r}}{\frac{r}{r}}} = \tan \theta \Rightarrow \frac{\frac{\sqrt{r}}{r}}{\frac{r}{r}} = \tan \theta$$

$\theta = \frac{\pi}{4} - \delta$

$$\Rightarrow \tan \theta = \sqrt{r} \Rightarrow \theta = 45^\circ - \delta$$

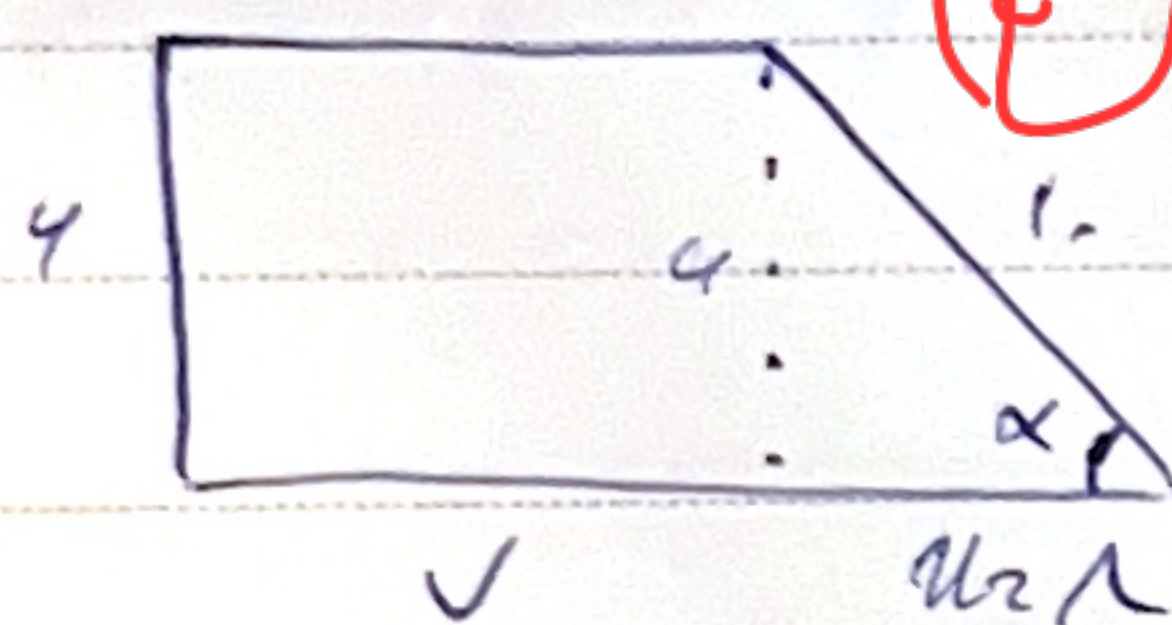
غیر کا قبل

$$\tan = \frac{\sin}{\cos}, \frac{\sin}{\cos} = \delta \Rightarrow \delta \cos \theta = \sin \theta$$

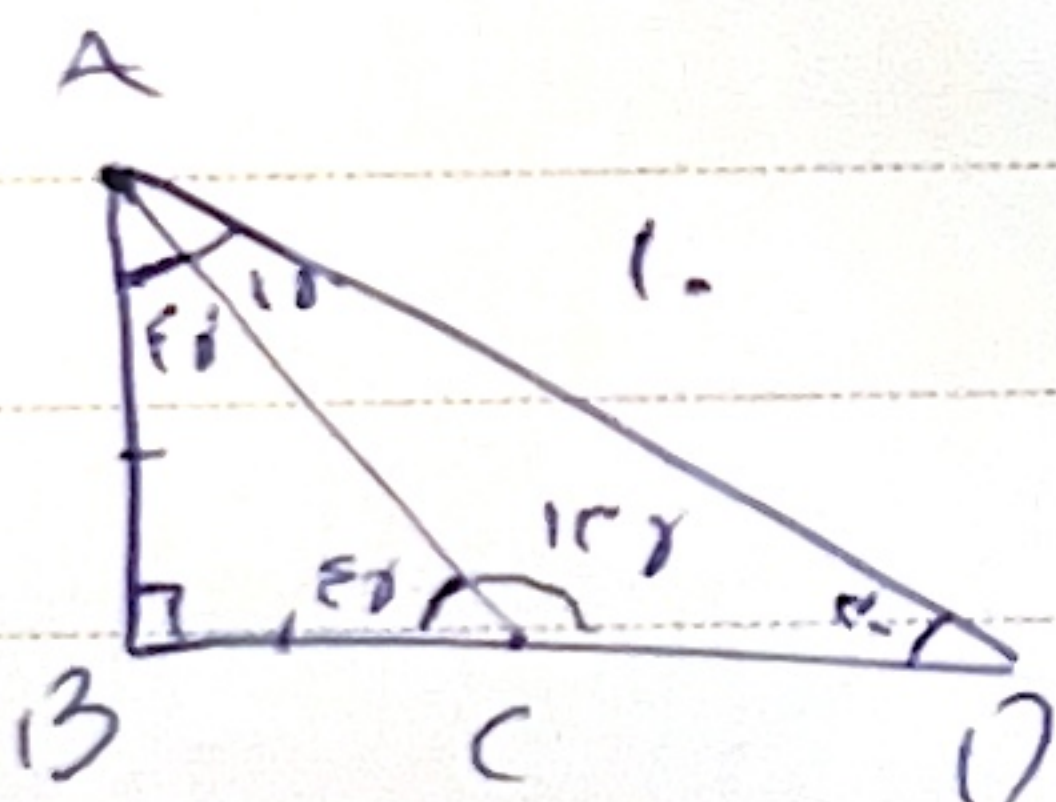
$$\frac{r(\delta \cos \theta) - (\cos \theta)}{\delta(\cos \theta) - \cos \theta} = \frac{1^2 \cos \theta}{\cos \theta} = 1^2$$

$$9 + 16 = 25 \Rightarrow 5 = 5$$

$$5 = 5$$



$$1 + r(v) + 4 + 1 = 2^2$$



$$\cos \theta = \frac{\sqrt{r}}{r} \Rightarrow \frac{BD}{AD} = \frac{\sqrt{r}}{r} \Rightarrow \frac{8\sqrt{r} - \delta}{r} = 1$$

$$\Rightarrow \frac{BD}{1} = \frac{\sqrt{r}}{r} \Rightarrow BD = 8\sqrt{r}$$

$$\sin \theta = \frac{1}{r} \Rightarrow AB = \delta, AB = BC = \delta$$

$$DC = BD - BC = 8\sqrt{r} - \delta$$

$$5 = 5$$

نام سوم (الف)

نام دوم (ب)

(۲) ✓

$$\sin \alpha < 0, \cos \alpha < 0$$

$$\frac{1}{\sqrt{1.}}$$

نام سوم فرم

cot, tan فرم

$$\tan \alpha = \frac{1}{\cot \alpha} \Rightarrow \frac{1}{\tan \alpha} = \cot \alpha$$

$$\tan \alpha = \frac{1}{\cot \alpha}, \cot \alpha = \frac{1}{\tan \alpha}$$

(۲) ✓

$$\frac{1}{\sin^2 \alpha} = 1 + \cot^2 \alpha \Rightarrow \frac{1}{\sin^2 \alpha} = 1 + \frac{1}{\tan^2 \alpha} \Rightarrow \sin^2 \alpha = \frac{1}{1 + \frac{1}{\tan^2 \alpha}}$$

$$2) \sin \alpha = \frac{1}{\sqrt{1.}}$$

(چون نام سوم است میزنی میفرمایند)

$$2) \sin \alpha = \frac{1}{\sqrt{1.}}$$

به نام فرم