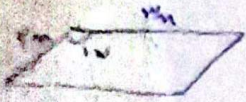


(۲۰)

(۱)



$$\Rightarrow \mu r \sin \alpha \cdot \sin \alpha \cdot \sin \alpha \Rightarrow \mu r^2 \times \frac{1}{r} \cdot \sin \alpha \Rightarrow \mu r \sin \alpha \Rightarrow \mu \sqrt{1+1} \Rightarrow \mu \sqrt{2}$$

$$\Rightarrow \mu r + \mu r + \mu r + \mu r \sin \alpha \Rightarrow 1 \cdot \sqrt{2} = 1 \cdot \sqrt{2} \Rightarrow \boxed{\mu \sqrt{2}}$$

(۵)

$$\mu \times \sqrt{r} \times \frac{1}{r} \times \sin \alpha - \mu \times \frac{1}{r} \times \sin \alpha = 1, \mu \alpha \Rightarrow \frac{1}{r} \times \sin \alpha (\mu \alpha - \mu) = 1, \mu \alpha$$

(۲)

$$\Rightarrow \sin \alpha (\mu) = \mu \alpha \Rightarrow \sin \alpha = \frac{1}{\mu}$$

(۵)

$$\Rightarrow A = 10 - 6 \mu$$

$$\Rightarrow A < 90 \Rightarrow \boxed{A = 90} \Rightarrow \boxed{\tan \alpha = \frac{\sqrt{10}}{\mu}}$$

$$\frac{|\sin \alpha|}{|\cos \alpha|} = -\frac{1}{\cot \alpha} \Rightarrow \frac{\cos \alpha}{|\sin \alpha|} = -\cot \alpha \Rightarrow \text{در } \mu \text{ ب } \frac{1}{\mu} \text{ مساوی}$$

(۲)

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

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

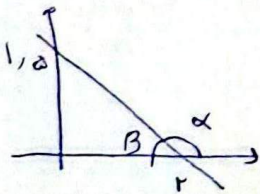
در } مساوی

(۵)

$$\tan\left(\frac{\pi}{2} - \alpha\right) = \cot(\alpha) = \cot(180 - B) = -\cot(B) = \boxed{\frac{\mu}{\mu \alpha}}$$

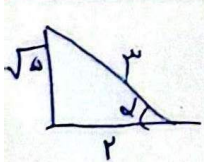
(۲)

(۵)



$$\frac{\mu \cos(\mu \alpha - \mu) - \mu \sin(180 - \mu)}{\sin(180 + \mu) - \cos(\mu \alpha + \mu)} = \frac{-\mu \sin(\mu) - \mu \sin(\mu)}{-\sin(\mu) - \sin(\mu)} = \frac{-\mu}{-\mu} = \frac{\mu}{\mu} = \boxed{\frac{\mu}{\mu}}$$

(۵)



$$\sin \alpha = \frac{\sqrt{d}}{\mu}$$

$$\tan \alpha = \frac{\sqrt{d}}{r}$$

$$\frac{\sin(\alpha + \frac{\pi}{2}) - \sin(\alpha - \pi)}{|\tan^2 \alpha - 1|} = \frac{\cos \alpha + \sin \alpha}{|\tan^2 \alpha - 1|} = \frac{\frac{\mu}{\mu} - \frac{\sqrt{d}}{\mu}}{(-\frac{\sqrt{d}}{r})^2 - 1}$$

(۵)

$$= \frac{\mu - \sqrt{d}}{\mu} \cdot \boxed{\frac{\mu}{\mu}}$$

$$\tan \alpha = \frac{r \cos \alpha}{r \sin \alpha} = r \Rightarrow \tan \alpha + r = \frac{1}{r \sin \alpha}$$

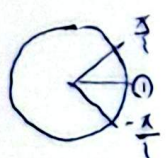
$$\Rightarrow r + 1 = \frac{1}{\cos \alpha} \Rightarrow \cos \alpha = \frac{1}{\sqrt{4}} \Rightarrow \boxed{\frac{-1}{\sqrt{4}}} \quad (5)$$

$$r m \sin \theta + (m^2 - 1) y = r \Rightarrow y = \frac{r}{m^2 - 1} - \frac{r m}{m^2 - 1} x$$

$$\Rightarrow \frac{-r m}{m^2 - 1} = \tan \theta \Rightarrow \frac{-r m}{m^2 - 1} = \sqrt{r} \Rightarrow -r m = \sqrt{r} m^2 - \sqrt{r}$$

$$\Rightarrow \sqrt{r} m^2 + r m - \sqrt{r} = 0 \Rightarrow \frac{\sqrt{4}}{|a|} = \frac{r}{\sqrt{r}} \quad (5)$$

$$\tan\left(\frac{\pi}{2} - \alpha\right) = \frac{1 - \tan \alpha}{1 + \tan \alpha} \xrightarrow{\substack{t = m \\ r = m}} \Rightarrow \frac{1 - m}{1 + m} \Rightarrow r - r \tan \alpha + m - m \tan \alpha = 1 + \tan \alpha - m - m \tan \alpha$$

$$\Rightarrow r m \sin^2 \alpha - 1 \Rightarrow m = \frac{r \tan \alpha - 1}{r}$$


$$\Rightarrow -1 < \tan \alpha < 1 \Rightarrow -r < r \tan \alpha < r \Rightarrow -r < r \tan \alpha - 1 < r$$

$$\Rightarrow \boxed{-r < \frac{r \tan \alpha - 1}{r} < r}$$

$$\begin{aligned} \tan \pi &= \tan(\pi - \gamma) = -\tan(\gamma) = -\sqrt{r} \\ \cos \pi &= \cos(\pi + \pi) = -\cos \pi = -\frac{\sqrt{r}}{r} \\ \tan \pi &= \tan(\pi - \gamma) = -\tan \gamma = -\sqrt{r} \\ \sin \pi &= \sin(\pi + \pi) = \sin \pi = \frac{\sqrt{r}}{r} \end{aligned}$$

$$\left. \begin{aligned} & \\ & \\ & \end{aligned} \right\} (\sqrt{r}) \left( -\frac{\sqrt{r}}{r} \right) + (\sqrt{r}) \left( \frac{\sqrt{r}}{r} \right)$$

$$\Rightarrow \boxed{\cdot}$$