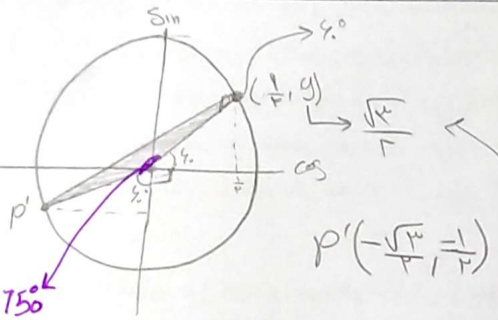


$$\frac{a \sin(\pi + \frac{\pi}{4}) + b \cos(\pi + \frac{\pi}{4})}{a \sin(\frac{\pi}{4} - \frac{\pi}{4}) + b \cos(\frac{\pi}{4})} = \frac{-a \sin \frac{\pi}{4} + b \cos \frac{\pi}{4}}{-a \sin \frac{\pi}{4} + b \cos \frac{\pi}{4}} = \tan(\pi - \frac{\pi}{4}) = -\tan \frac{\pi}{4}$$

$$\frac{a(\frac{\sqrt{r}}{r}) + b(\frac{\sqrt{r}}{r})}{-a(\frac{1}{r}) + b(\frac{1}{r})} = + \frac{1}{\sqrt{r}} \rightarrow \frac{ra}{r} + \frac{rb}{r} = \frac{b}{r} - \frac{a}{r} \rightarrow rb - ra \rightarrow b = -ra$$

$$\frac{b}{a} = \frac{-r}{1} = \boxed{-r}$$



$$b_5 = 1 + \frac{\sqrt{2+4\sqrt{5}}}{2} \cdot \frac{1 + \sqrt{2+5}}{2}$$

$$\frac{\text{مساحت}}{\text{قطر}} \rightarrow \sqrt{\left(\frac{1+\sqrt{3}}{2}\right)^2 + \left(\frac{1+\sqrt{3}}{2}\right)^2} = \sqrt{2\left(\frac{1+\sqrt{3}}{2}\right)^2}$$

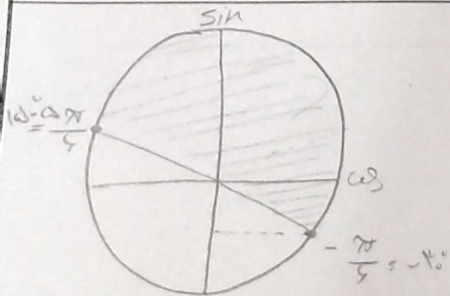
$$\frac{\pi}{q} = \mu^0$$

ساعت ۲:۰۰ حواله شد

$$\left| \frac{11}{r} \mu - \cancel{r_0} \right| = r_0 \xrightarrow{+} \frac{11}{r} \mu - 90 = r_0 \rightarrow \frac{11}{r} \mu = \cancel{180} \rightarrow \boxed{\mu = r_0' \rightarrow 90, 1, 6}$$

$$\searrow \frac{11}{r} \mu - \cancel{90} = \cancel{r_0} \rightarrow \frac{11}{r} \mu = 180 \rightarrow \frac{180}{11} = \mu \rightarrow 16, 1, 6$$

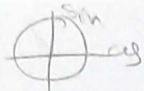
$$\mu \approx 17, 1$$



$$\frac{1}{r} < \frac{m+1}{a} \leq 1 \rightarrow \frac{a}{m+1} < m+1 \leq a$$

$$a, a < m \leq 1$$

Quasi  $\omega, \epsilon \leftarrow \omega, \epsilon_N, \epsilon$

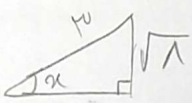


$$\frac{\sin(\frac{\pi}{2} + \alpha) + k \cos(\frac{\pi}{2} - \alpha)}{\cos(\pi - \alpha) + r \sin(\pi + \alpha)} = \frac{\cos \alpha - k \sin \alpha}{-\cos \alpha - r \sin \alpha} \xrightarrow{\div \cos \alpha}$$

$$\frac{1 - k \tan \alpha}{-1 - r \tan \alpha} = \mu \rightarrow \frac{1 - \frac{1}{\varepsilon} k}{-1/\delta} = \mu \rightarrow -\varepsilon \delta = 1 - \frac{1}{\varepsilon} k \quad \alpha, \delta = \frac{1}{\varepsilon} k \quad \boxed{k = r r}$$

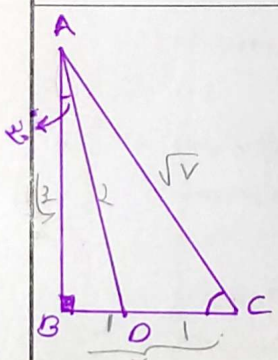
$$\frac{\tan(\frac{\pi}{2} - \alpha) - \cot(\pi - \alpha)}{\cot(\frac{\pi}{2} - \alpha) - r \tan(\pi - \alpha)} \rightarrow \frac{\cot \alpha + \cot \alpha}{\tan \alpha - r \tan \alpha} = \frac{r \cot \alpha}{-\tan \alpha} = \frac{r(1 + \frac{1}{r \alpha})}{-1/\alpha}$$

$$r - \cos \alpha = \frac{1}{\alpha} + r \cos \alpha \rightarrow -r \cos \alpha = 1 \rightarrow \cos \alpha = \left(-\frac{1}{r}\right) \quad -\frac{r}{1} = \frac{-1}{\varepsilon}$$



$$\frac{1/\alpha}{1/\alpha} = \frac{R}{\pi} \rightarrow R = \frac{4\pi}{1} = \frac{r\pi}{\alpha} \xrightarrow{\text{sub}} l_A = \frac{r\pi}{\alpha} r_A \quad r\theta = l \Leftrightarrow \text{sub}$$

$$l_A = l_B = \frac{r}{\alpha} r_B = \frac{r}{\alpha} r_A \rightarrow \frac{r}{\alpha} r_B = r_A \quad \frac{S_A}{S_B} = \frac{r_A}{r_B} = \frac{q}{\varepsilon} r_B \quad \boxed{\frac{q}{\varepsilon}} \leftarrow$$

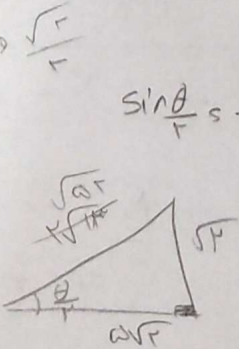
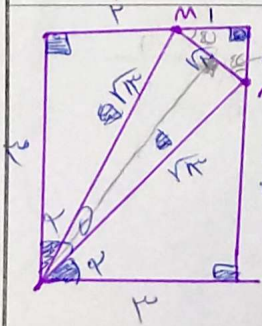


$$S_{ABC} = \sqrt{3} \quad S_{ABC} = S_{ABD} + S_{ADC} \quad \sin \angle C = ?$$

$$\frac{BD \times AB}{2} + \frac{AD \times DC}{2} = \sqrt{3} \rightarrow \sqrt{3}(1 + DC) = \sqrt{3} \quad \boxed{DC = 1}$$

$$\sin C = \frac{\sqrt{3}}{\sqrt{5}} \quad \cos C = \frac{2}{\sqrt{5}}$$

$$\sin \angle C = r \sin C \cos C \rightarrow r \left(\frac{\sqrt{3}}{\sqrt{5}}\right) \left(\frac{2}{\sqrt{5}}\right) = \frac{\varepsilon \sqrt{3}}{V}$$



$$\sin \theta = \frac{\sqrt{3}}{r \sqrt{5}}$$

$$\sin \theta = ?$$

$$\sin \theta = r \sin \theta \cos \theta$$

$$\sin \theta = r \left(\frac{\sqrt{3}}{r \sqrt{5}}\right) \left(\frac{2}{r \sqrt{5}}\right)$$

$$\boxed{\sin \theta = \frac{2}{r}}$$