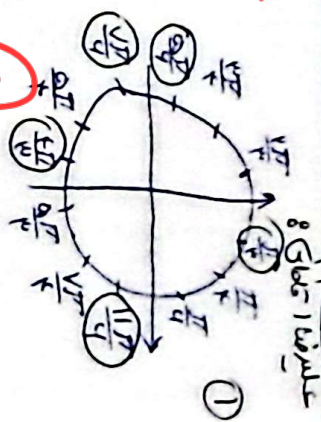


$$\frac{\frac{-\sqrt{r}}{q}a}{a \sin \frac{\pi}{q} + b \cos \frac{\pi}{q}} = \frac{\frac{-\sqrt{r}}{q}(a+b)}{\frac{f \sqrt{r}}{q}(a-b)} = \frac{\tan \frac{\delta}{q}}{f \frac{1}{q}(a-b)}$$

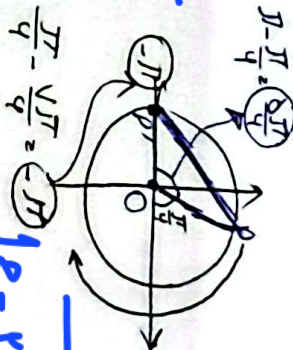
در اینجا $\frac{f \sqrt{r}}{q}$ را در نظر بگیرید



$$\frac{a+b}{a-b} z = -\frac{1}{w} \rightarrow b - az = \frac{1}{w}a + \frac{1}{w}b \rightarrow -wb = \frac{1}{w}a \rightarrow \frac{b}{a} = -\frac{1}{w}$$

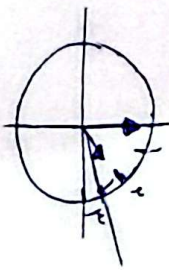
$$\rho(\cos \theta, \sin \theta) \rightarrow \theta = \frac{\pi}{2} \rightarrow \sin \theta = \frac{\sqrt{r}}{q} \rightarrow \rho = \frac{\pi}{q}$$

$\rho' = \sqrt{a^2 + b^2} - kab \cos \theta$



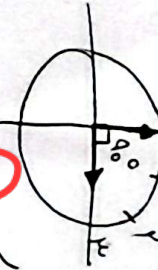
$\rho' = \sqrt{1+1} - (1)(1)(-\frac{\sqrt{r}}{q}) = \sqrt{2+\sqrt{r}}$

$z = \frac{1}{w} = \frac{1}{\sqrt{2+\sqrt{r}}}$



$\frac{D}{1 \pm \frac{D}{z}} = \frac{1}{z}$

$D = 20$

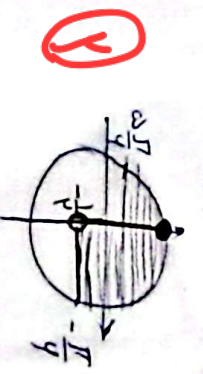


1

3×20

90°

که از جدول تبدیل استفاده کنید و نتیجه را در جدول زیر وارد کنید



$1 \times 180^\circ$

180°

$\sin(10^\circ) + k \cos(190^\circ)$

$\cos(190^\circ) + r \sin(190^\circ)$

$\sin(\frac{\pi}{2} + 18^\circ) + k \cos(\frac{\pi}{2} - 18^\circ)$

$\cos(\pi - 18^\circ) + r \sin(\pi + 18^\circ)$

$\cos 18^\circ = \frac{1}{2} \rightarrow \sin 18^\circ = \frac{1}{2}$

$\sin(\frac{\pi}{2} + 18^\circ) = \cos 18^\circ = \frac{1}{2}$

$\cos(\pi - 18^\circ) = -\cos 18^\circ = -\frac{1}{2}$

$$r + r \cos \theta = 1 - \cos \theta \rightarrow r \cos \theta = -1 \rightarrow \cos \theta = -\frac{1}{r}$$

$$\tan\left(\frac{\pi}{r} - \theta\right) = \cot(\pi - \theta)$$

$$\frac{\cot\left(\frac{\pi}{r} - \theta\right) + r \tan\left(\frac{\pi}{r} - \theta\right)}{\tan \theta} = \frac{r \cot \theta}{-\tan \theta} \rightarrow -\frac{1}{r}$$

$$1 + \tan^2 \theta = \frac{1}{\cos^2 \theta}$$

$$\frac{D}{180^\circ} = \frac{R}{\pi} \rightarrow \frac{\frac{1}{180^\circ}}{\frac{1}{180^\circ}} = \frac{R}{\pi} \rightarrow R = \frac{3\pi}{5}$$

$$L_A = L_B \rightarrow \frac{1 \cdot \pi}{180^\circ} \times r_A = \frac{4\pi}{180^\circ} \times r_B$$

$$r_A = \frac{4}{r} r_B$$

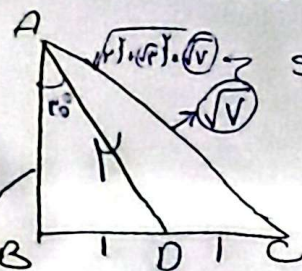
$$\frac{D}{180^\circ} = \frac{9\pi}{\pi}$$

الله يباركك
فصلك بوجوبك
اسمك

$$\frac{S_A}{S_B} = \left(\frac{r_A}{r_B}\right)^2 = \left(\frac{4}{r}\right)^2 = \frac{16}{r^2}$$

$$\frac{3\pi}{5} \times r_A = \theta_A \rightarrow \frac{9\pi}{10} \times r_B = \theta_B \rightarrow \frac{r_A}{r_B} = \frac{\theta_A}{\theta_B} \rightarrow \frac{r_A}{r_B} = \frac{1}{2} \rightarrow r_A = \frac{1}{2} r_B$$

$$\left. \begin{array}{l} S_A \rightarrow \pi \times r_A^2 \rightarrow \pi \times \left(\frac{1}{2} r_B\right)^2 = \frac{\pi}{4} r_B^2 \\ S_B \rightarrow \pi \times r_B^2 \end{array} \right\} \frac{S_A}{S_B} = \frac{1}{4}$$

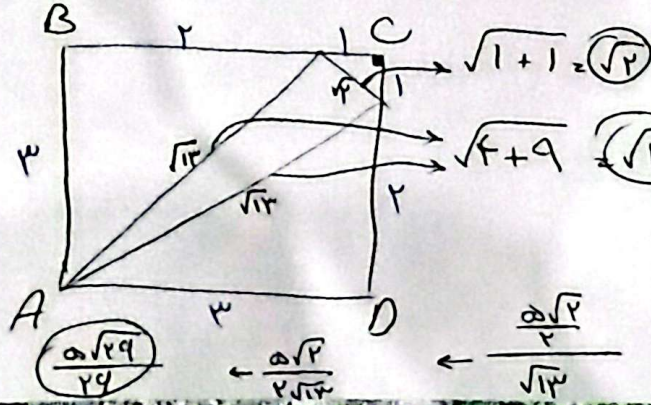


$$\sin 45^\circ = \frac{1}{r} \rightarrow r = \frac{1}{\sin 45^\circ} = \sqrt{2}$$

$$S_{ABC} = \frac{AB \times BC}{2} = \frac{\sqrt{2} \times 2}{2} = \sqrt{2} \rightarrow BC = 2 \rightarrow CD = 1$$

$$\sqrt{2} \times \cos 45^\circ = \frac{\sqrt{2}}{2} \times \frac{\sqrt{2}}{2} = \frac{1}{2}$$

$$\sin \hat{C} = r \sin C \times \cos C \rightarrow r \times \frac{\sqrt{2}}{\sqrt{2}} \times \frac{1}{\sqrt{2}} = \frac{r}{\sqrt{2}}$$



$$\frac{1}{r} = \frac{1}{\sqrt{2}} + 0 \rightarrow 0 = \frac{1}{\sqrt{2}} - \frac{1}{r} \rightarrow \frac{1}{r} = \frac{1}{\sqrt{2}} \rightarrow r = \sqrt{2}$$