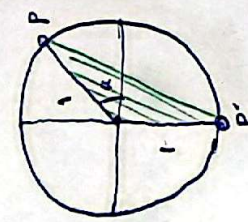


① $\frac{a \sin \frac{\pi}{4}}{-\sin \frac{\pi}{4}} + \frac{b \cos \frac{\pi}{4}}{-\cos \frac{\pi}{4}} = \tan \frac{\pi}{4} = 1$

② $\frac{D}{a} = \frac{-ra}{a} = -r$

$\frac{a \sin \frac{\pi}{4}}{a} + \frac{b \cos \frac{\pi}{4}}{b} = -\sin \frac{\pi}{4} + \cos \frac{\pi}{4} = 1$

$\frac{a \sin \frac{\pi}{4}}{a} + \frac{b \cos \frac{\pi}{4}}{b} = -\sin \frac{\pi}{4} + \cos \frac{\pi}{4} = 1$

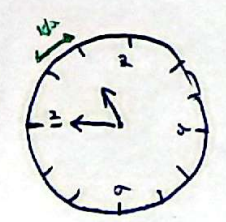


③ $a = 40$

④ $\frac{a \sin \frac{\pi}{4}}{a} + \frac{b \cos \frac{\pi}{4}}{b} = -\sin \frac{\pi}{4} + \cos \frac{\pi}{4} = 1$

⑤ $3 \rho \rho' = \frac{1}{r} \rho \rho' \times \sin \alpha$

⑥ $s = \frac{1}{r} x |x| \times \frac{1}{r} = \frac{1}{r^2}$



⑦ $\frac{r \cos \alpha}{r} = \cos \alpha$

⑧ $\frac{r \sin \alpha}{r} = \sin \alpha$

⑨ $\frac{r \cos \alpha}{r} = \cos \alpha$

⑩ $\frac{r \sin \alpha}{r} = \sin \alpha$

⑪ $\frac{r \cos \alpha}{r} = \cos \alpha$

⑫ $\frac{r \sin \alpha}{r} = \sin \alpha$

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⑲ $\frac{r \cos \alpha}{r} = \cos \alpha$

⑳ $\frac{r \sin \alpha}{r} = \sin \alpha$

㉑ $\frac{r \cos \alpha}{r} = \cos \alpha$

㉒ $\frac{r \sin \alpha}{r} = \sin \alpha$

㉓ $\frac{r \cos \alpha}{r} = \cos \alpha$

㉔ $\frac{r \sin \alpha}{r} = \sin \alpha$

㉕ $\frac{r \cos \alpha}{r} = \cos \alpha$

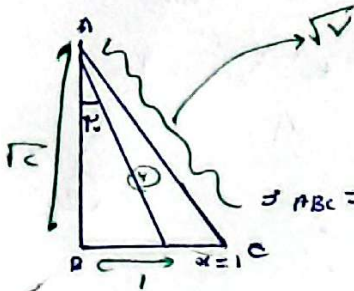
㉖ $\frac{r \sin \alpha}{r} = \sin \alpha$

$$\frac{r}{1.1} = \frac{r\pi}{\pi} \rightarrow \text{Rad}$$

$$\frac{r}{\pi} \times \pi = r$$

$$\rightarrow n = \frac{r}{k}, \quad r' = k$$

$$\left(\frac{r}{r'}\right)^r = \frac{5A}{13} = \left(\frac{r}{r'}\right)^r \times \frac{9}{13}$$

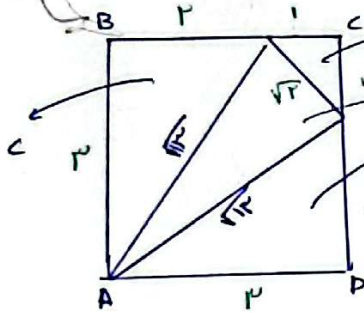


$$\sin C = \frac{r}{\sqrt{r^2 + 1}}$$

$$\cos C = \frac{1}{\sqrt{r^2 + 1}}$$

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

$$\sin C = \frac{r}{\sqrt{r^2 + 1}} \Rightarrow 1 + r = r \rightarrow r = 1$$



$$s = 9 - (r + r + 1/r) = 7/10$$

$$s = \frac{1}{r} \times \sqrt{r^2 + 1} \times \sqrt{r^2 + 1} \times \sin \alpha$$

$$\rightarrow \sin \alpha = \frac{5}{13}$$