

$$\frac{a \sin \frac{\pi}{4} + b \cos \frac{\pi}{4}}{a \sin \frac{11\pi}{4} + b \cos \frac{\pi}{4}} = \tan \frac{\pi}{4} \Rightarrow \frac{-\frac{\sqrt{2}}{2}a - \frac{\sqrt{2}}{2}b}{-\frac{1}{2}a + \frac{1}{2}b} = -\frac{\sqrt{3}}{2} =$$

$$\frac{\frac{\sqrt{3}}{2}a + \frac{\sqrt{2}}{2}b}{-\frac{1}{2}a + \frac{1}{2}b} = \frac{\sqrt{2}}{2} \Rightarrow \frac{\sqrt{2}(a+b)}{\frac{1}{2}(a+b)} = \frac{\sqrt{2}}{2} = \frac{2\sqrt{2} + 2\sqrt{2}}{2} = -a + b$$

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

$$\rho = \left| \frac{1}{\sqrt{2}} \right| \rightarrow 90 \quad 40 + 90 = 130$$



$$(1)^2 + (1)^2 = 2 \times \cos 100$$

$$1 + 1 = 2 \times \frac{\sqrt{2}}{2} = 2 + \sqrt{2}$$

$$40 + 90 = 130$$

$$\frac{1}{\sqrt{2} + \sqrt{2}}$$

$$2 + \sqrt{2} + \sqrt{2}$$

$$\frac{11}{9} \Rightarrow \frac{110}{90} \approx 1.22$$

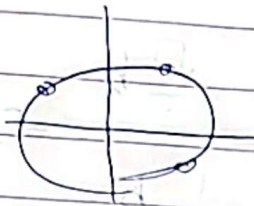
الخصائص من حيث الزاوية (الزاوية) في الدائرة (الزاوية) ...

$$2.40$$

$$\left| \frac{11M}{2} - 30H \right| = 20 \Rightarrow \frac{11M}{2} - 90 = \pm 20 \Rightarrow$$

$$\frac{11M}{2} = 110 \Rightarrow M = 20$$

$$\frac{11M}{2} = 130 \Rightarrow M = 23.6$$



$$\Rightarrow \frac{-\pi}{4} = \frac{-r}{r} \quad \text{min}$$

$$\text{mod} = 1$$

$$\frac{-1}{r} < \frac{m-c}{a} < 1 \Rightarrow \frac{-a}{r} < m-r < a \Rightarrow$$

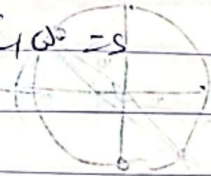
$$\frac{1}{r} < m < 1$$

$$> 1$$

$$+ \cos(\omega) + k \sin(\omega)$$

$$\frac{-\cos(\omega) - r \sin(\omega)}{-1 - \frac{k}{r}} = \frac{-\frac{r-k}{r}}{-1 - \frac{k}{r}} = \frac{-\frac{r-k}{r}}{-\frac{r+k}{r}} = \frac{r-k}{r+k}$$

$$+ \frac{r-k}{r} = -\frac{r-k}{r} \Rightarrow \frac{-k}{r} = -\frac{r-k}{r} \Rightarrow k = r$$



$$\frac{1 - \cos u}{1 + \cos u} = r \Rightarrow 1 - \cos u = r + r \cos u$$

$$r \cos u = -1 \Rightarrow \cos u = -\frac{1}{r}$$

$$\frac{\cot(\alpha) + \cot(\beta)}{\tan \alpha + r \tan \beta} = \frac{-r}{\sqrt{1} + \frac{\sqrt{1}}{1}} = \frac{-r}{1 + 1} = \frac{-r}{2}$$

$$\sin(u) = \frac{\sqrt{1}}{r}$$

$$\frac{10 \times \pi}{10} = \frac{10 \pi}{10} = \frac{4 \pi}{b}$$

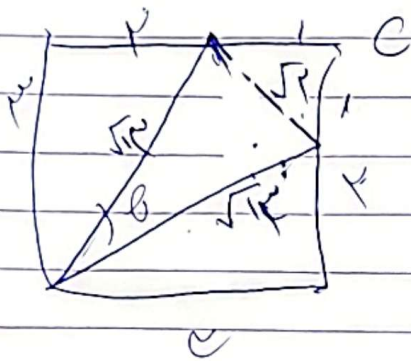
$$\frac{4 \pi}{10} \times a = \frac{4 \pi}{10} \times b \Rightarrow$$

$$\frac{a}{b} = \frac{4 \pi}{4 \pi} \Rightarrow \frac{a}{b} = 1$$



$$S = \frac{\sqrt{2} \times \sqrt{5}}{2} = \sqrt{2} \Rightarrow PC = 1$$

$$\sin C = \frac{r \sin \alpha \cos \alpha}{\frac{1}{2} \sqrt{2}} \quad r \times \frac{\sqrt{5}}{\sqrt{2}} \times \frac{1}{\sqrt{2}} \Rightarrow$$



$$\sqrt{r^2 - r^2 \cos \theta} = \sqrt{2} = s$$

$$1 - r^2 \cos \theta = r^2 = s$$

$$\cos \theta = \frac{r^2}{r^2} = s - \frac{1}{r^2} = s \sin \theta$$

$$\sin \theta = \frac{\sqrt{19}}{1}$$

$$\sin \theta$$