

$$\frac{\pi}{2} = \frac{y_0}{y_0 \pi} = \sqrt{\cos(\theta)} \Rightarrow \frac{\pi}{\theta} = y_0 \Rightarrow \theta = y_0$$

2) $\frac{3}{2} = \frac{1}{2} \left(\frac{3}{2} \right) - 1$ $\frac{3}{2} = \frac{1}{2} \left(\frac{3}{2} \right) - 1$ $\frac{3}{2} = \frac{1}{2} \left(\frac{3}{2} \right) - 1$

$$\frac{1}{\lambda} = \theta^{\text{SD}} \Leftrightarrow 1 = \theta_{\lambda}^{\text{SD}} + \frac{1}{\lambda} \Leftrightarrow 1 = \theta_{\lambda}^{\text{SD}} + \theta_{\lambda}^{\text{UIS}} \quad \checkmark \quad 1 = \frac{\frac{1}{\lambda}}{\frac{1}{\lambda}} = \frac{\theta^{\text{SD}}}{\theta^{\text{UIS}}} = \theta^{\text{UIS}}$$

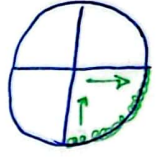
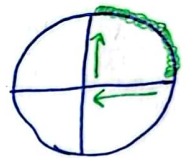
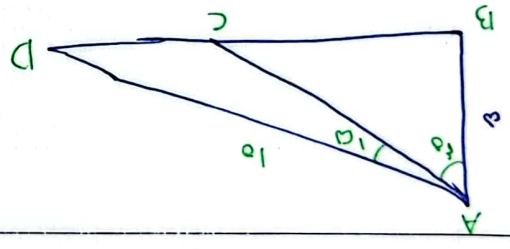
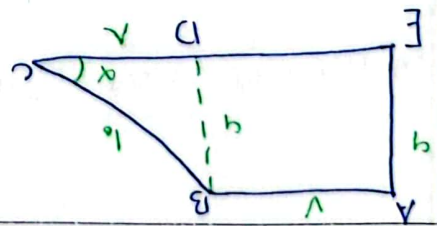
$$\frac{1}{\sqrt{1-x^2}} = \frac{x}{x} = \frac{\frac{x}{\sqrt{1-x^2}}}{\frac{x}{x}} = \frac{\frac{x}{\sqrt{1-x^2}}}{x + 1 - \frac{x}{x}} \quad (1)$$

[illegible]

$$\textcircled{2} \quad \frac{b}{x \cdot \sqrt{1}} = \mu \leq \frac{\sqrt{1}}{\mu} = \frac{1}{\frac{b}{x \cdot \sqrt{1}}} \quad \checkmark$$

باسمہ تعالیٰ سال ۱۹..... ہمارے تعلیمی سرپرستہ و معاونین
کی جانب سے نام و نام خانوادگی

ایک ہی جگہ

1.	$\cos^2 \theta + \sin^2 \theta = 1 \Rightarrow \frac{10}{9} + \sin^2 \theta = 1 \Rightarrow \sin^2 \theta = \frac{1}{9} \Rightarrow \sin \theta = \frac{1}{3}$ $\tan^2 \theta + 1 = \frac{\cos^2 \theta}{1} = \frac{1}{9} + 1 = \frac{10}{9} \Rightarrow \tan^2 \theta = \frac{1}{9} \Rightarrow \tan \theta = \frac{1}{3}$	$\frac{1}{3} = \sin \theta \Rightarrow \theta = \sin^{-1} \left(\frac{1}{3} \right)$
2.	 	$r \cos \theta = \frac{1}{3} \Rightarrow r = \frac{1}{3 \cos \theta}$ $r \sin \theta = \frac{1}{3} \Rightarrow r = \frac{1}{3 \sin \theta}$
3.	 $DC = BD - BC = \sqrt{10^2 - x^2} - x = x(\sqrt{10} - 1)$ $\triangle ABC: \tan \theta = \frac{BC}{AB} = \frac{x}{10} \Rightarrow x = 10 \tan \theta$ $\triangle ABD: \cos \theta = \frac{AB}{AD} = \frac{10}{AD} \Rightarrow AD = \frac{10}{\cos \theta}$ $\triangle BDC: \sin \theta = \frac{BD}{BC} = \frac{BD}{x} \Rightarrow BD = x \sin \theta = 10 \sin^2 \theta$ $\triangle ABC: \sin \theta = \frac{BC}{AC} = \frac{x}{y} \Rightarrow y = \frac{x}{\sin \theta} = \frac{10 \tan \theta}{\sin \theta} = \frac{10}{\cos \theta}$	$y = \frac{10}{\cos \theta}$
4.	 $\sin \theta = \frac{BC}{AC} = \frac{10}{y} \Rightarrow y = \frac{10}{\sin \theta}$ $\triangle BDC: \sin \theta = \frac{BD}{BC} = \frac{BD}{10} \Rightarrow BD = 10 \sin \theta$ $\triangle ABC: \cos \theta = \frac{AB}{AC} = \frac{4}{y} \Rightarrow y = \frac{4}{\cos \theta}$ $\triangle BDC: \cos \theta = \frac{DC}{BC} = \frac{DC}{10} \Rightarrow DC = 10 \cos \theta$ $\triangle ABC: \tan \theta = \frac{BC}{AB} = \frac{10}{4} \Rightarrow \theta = \tan^{-1} \left(\frac{5}{2} \right)$	$y = \frac{4}{\cos \theta}$
5.	$\frac{\sin \theta}{\cos \theta} = \tan \theta = \frac{10}{4} \Rightarrow \theta = \tan^{-1} \left(\frac{5}{2} \right)$ $\frac{\sin \theta}{\cos \theta} = \tan \theta = \frac{10}{4} \Rightarrow \theta = \tan^{-1} \left(\frac{5}{2} \right)$	$\frac{\sin \theta}{\cos \theta} = \tan \theta = \frac{10}{4} \Rightarrow \theta = \tan^{-1} \left(\frac{5}{2} \right)$