

الف) $2V = \frac{27^\circ}{180} = \frac{\pi}{R}$

ب) $12d = 12d = \frac{\pi}{180}$

ج) $\frac{d}{12} \text{ rad} = \frac{d}{12} \times \frac{180}{\pi} = 7.5^\circ$

د) $\frac{d}{9} \text{ rad} = \frac{d}{9} \times \frac{180}{\pi} = 11.25^\circ$

$12d \times \frac{d}{12} = 12/5d$

$10 + 22/5d + 12/5d = 180$

ا) $(\frac{1}{3} \times \frac{5\pi}{3}) - (\frac{5\pi}{3} \times \frac{1}{3}) = \frac{5\pi}{9} - \frac{5\pi}{9} = 0$

ب) $\frac{\frac{1}{3} + 1 + 3}{\sqrt{3 - \frac{5\pi}{3}}} = \frac{1 + \frac{1}{3}}{\sqrt{3 - \frac{5\pi}{3}}} = \frac{4/3}{\sqrt{3 - \frac{5\pi}{3}}}$

$\frac{1}{3} \times \frac{5\pi}{3} + \frac{5\pi}{3} \times \frac{1}{3} = \sin^2 \theta$

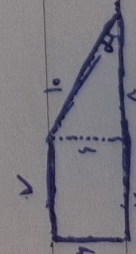
$\tan \theta = 1 = \tan 45^\circ$

$\frac{1 \times \frac{5\pi}{3} \times \frac{1}{3}}{(\frac{1}{3})^2} = \tan \theta$

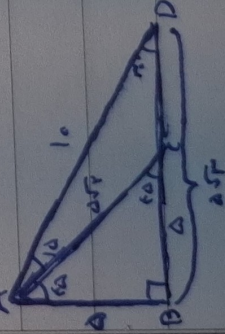
$\tan \theta = \Delta \quad \tan \theta = \frac{\sin \theta}{\cos \theta} = \Delta$

$\sin \theta = \Delta \cos \theta$

$\frac{r(\Delta \cos \theta) - \cos \theta}{\Delta \cos \theta - r \cos \theta} = \frac{1 \cos \theta}{\cos \theta} = 1$



$1 - 0.36 = 0.64 \Rightarrow \sqrt{0.64} = 0.8$

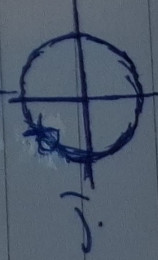


ا) $\frac{1}{3} \times 10 = \Delta$

$\Delta \sqrt{3} - \Delta = \sqrt{3} = \cos \theta$



$\cos \theta < 0$
 $\sin \theta > 0$



$\cos \theta < 0$
 $\sin \theta > 0$

Subject:

Year:

Month:

Day:

$$\tan \alpha = \frac{1}{p}$$

$$\frac{q}{1} + \sin \alpha = 1$$

$$\tan \alpha + 1 = \frac{1}{\cos \alpha}$$

$$\sin \alpha = \frac{1}{\sqrt{10}}$$

$$\frac{1}{q} + 1 = \frac{1}{\frac{q}{10}}$$

$$\cos \alpha = \frac{\sqrt{10}}{10}$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

(p) ✓