

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

$$\tan\left(r\pi + \frac{r\pi}{2}\right) + \sin\left(r\pi + \frac{r\pi}{2}\right) = \frac{1}{\sqrt{r}} \cos\left(r\pi + \frac{r\pi}{2}\right) + \frac{1}{\sqrt{r}} \sin\left(r\pi + \frac{r\pi}{2}\right)$$

$$\tan\left(r\pi + \frac{r\pi}{2}\right) \times \sin\left(r\pi + \frac{r\pi}{2}\right) + \cos\left(r\pi + \frac{r\pi}{2}\right) = \frac{1}{\sqrt{r}} \cos\left(r\pi + \frac{r\pi}{2}\right) + \frac{1}{\sqrt{r}} \sin\left(r\pi + \frac{r\pi}{2}\right)$$

$$\frac{1}{2} - \frac{1}{2} \cos$$

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

$$\sin^r \times \cos^r$$

$$\cos^r + \sin^r$$

$$\frac{\cos^r + \sin^r}{0} \cos\left(\frac{r\pi}{2}\right)$$

$$\cos\left(\frac{r\pi}{2} + \alpha\right) = \cos\left(\frac{r\pi}{2}\right) \cos\alpha - \sin\left(\frac{r\pi}{2}\right) \sin\alpha$$

$$\frac{1}{2} \cos\left(r\pi + \frac{r\pi}{2}\right) \sin\left(r\pi + \frac{r\pi}{2}\right) = \frac{1}{2} \cos\left(r\pi + \frac{r\pi}{2}\right) \sin\left(r\pi + \frac{r\pi}{2}\right)$$

$$\cos\alpha \sqrt{1 - \sin^2}$$

$$\cos\alpha \sqrt{1 - \frac{r}{2}} = \frac{1}{2} \cos\alpha \sqrt{1 - \frac{r}{2}}$$

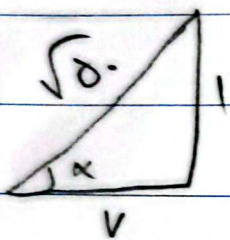
$$\sin\left(\frac{15\pi}{8} + a\right) = \sin\left(\frac{15\pi}{8}\right) \cos a + \sin a \cos\left(\frac{15\pi}{8}\right) = \frac{1}{\sqrt{2}} \times \frac{1}{\sqrt{2}} = \frac{1}{2}$$

$$\sin\left(\frac{15\pi}{8}\right) = \sin\left(2\pi + \frac{7\pi}{8}\right) = -\frac{\sqrt{2}}{2}$$

$$\cos\left(\frac{15\pi}{8}\right) = -\frac{\sqrt{2}}{2}$$

$$\cos a = \frac{1}{\sqrt{2}} \Rightarrow \tan^2 a = 1 \Rightarrow \frac{1}{\sqrt{2}} + 1 = \frac{1}{\cos a} \Rightarrow \cos a = \frac{1}{\sqrt{2}}$$

$$\sin a = \frac{1}{\sqrt{2}} \Rightarrow \sin^2 a = 1 \Rightarrow \frac{1}{\sqrt{2}} + 1 = \frac{1}{\sin a} \Rightarrow \sin a = \frac{1}{\sqrt{2}}$$



$$\sin \alpha = \frac{1}{\sqrt{2}} \quad \cos \alpha = \frac{1}{\sqrt{2}}$$

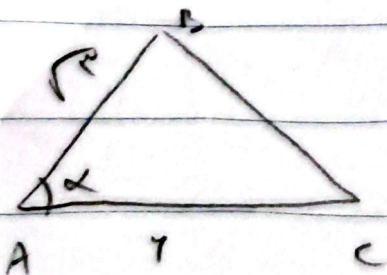
$$\sin^2 \alpha + \cos^2 \alpha = \frac{1}{2} + \frac{1}{2} = 1$$

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

$$\sin \alpha = \frac{1}{\sqrt{2}}$$

$$\cot^2 \alpha + 1 = \frac{1}{\sin^2 \alpha} = 2 \Rightarrow \cot^2 \alpha = 1 \Rightarrow \cot \alpha = 1$$

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

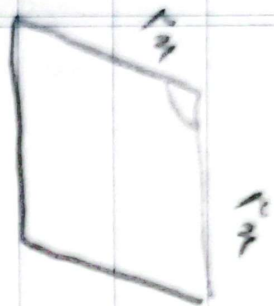


$$\sqrt{2} \times 1 \times \frac{1}{\sqrt{2}} \times \sin \alpha = \frac{1}{2} \Rightarrow \sin \alpha = \frac{1}{2}$$

$$\sin \alpha = \frac{1}{2}$$

$$\alpha = 30^\circ$$

$$\frac{1}{2} = \frac{1}{2}$$



$$r_m \times r_n \times \sin(100^\circ), \text{ or } \frac{1}{r}$$

$$r_m \times \sin \theta \times r_n$$

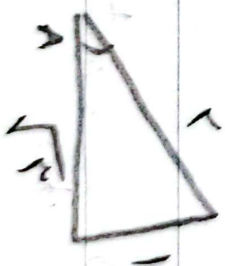
$$P_{SV}(r(\sqrt{1A}) + r(\sqrt{1A}) = 1.0 \sqrt{1A} \quad \overline{r_0 \sqrt{r}} \int$$

$$S_{ABC} - S_{ADE} = \frac{V}{2}$$

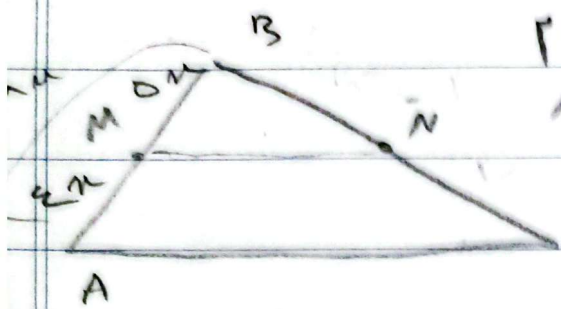
$$\frac{1}{r} \times \partial \times V \times \sin A = \frac{1}{2} \times V \times \frac{1}{r} \times \sin A$$

$$\frac{r_0}{r} \sin A = \frac{r_A}{r} \sin A = \frac{V}{2}$$

$$\sin A \frac{V}{r} = \frac{V}{2} \quad \sin A = \frac{1}{r}$$



$$\tan A = \frac{1}{\sqrt{2}}$$



$$BN, NC \quad BC, BN + NC$$

$$NC = \frac{x}{y} BN \quad BC = BN + \frac{x}{y} BN = \frac{y+x}{y} BN$$

$$\triangle ABC, \quad \frac{AB}{MB} = \frac{BC}{NC} = \frac{1}{\frac{x}{y}} = \frac{y}{x}$$

$$\triangle BMN, \quad MB = \sin B \cdot BN \cdot \frac{1}{\frac{x}{y}} = \frac{y}{x} \sin B \cdot BN$$

$$\frac{AB}{MB} = \frac{y}{x} \cdot \frac{BN}{\sin B \cdot BN} = \frac{y}{x} \cdot \frac{1}{\sin B} = \frac{y}{x \sin B}$$

$$\frac{AB}{MB} = \frac{y}{x \sin B}$$

$$\frac{BM}{AM} = \frac{DN}{AN} = \frac{y}{x}$$

$$\frac{|\sin|}{\cos a} = - \frac{\sin}{\cos}$$

$$\sin < 0$$

موجبات

$$\frac{1}{|\cos|} = \frac{\sin}{\cos} = \frac{1 + \sin a}{\cos a} \quad \cos < 0$$