

$$S = ۳x \times ۲x \times \sin 1۵۰ = ۳x^2 = ۱۸$$

$$x^2 = ۱۸$$

$$x = \sqrt{۱۸}$$

$$10x = 10\sqrt{۱۸}$$

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

$$\frac{۳\omega}{r} \sin A - 1F \sin A = \frac{V}{r} \sin A$$

$$V \times \omega \times \frac{1}{r} \times \sin A = \frac{۳\omega}{r} \sin A$$

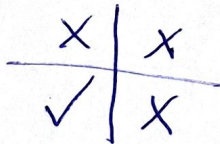
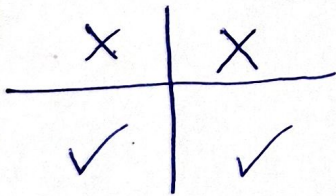
$$\frac{V}{r} \sin A = \frac{V}{r} \quad \sin A = \frac{1}{r}$$

$$A = ۳۰^\circ \quad \tan A = \frac{\sqrt{۳}}{۳}$$

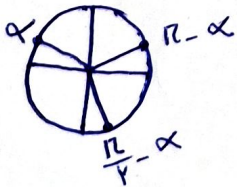
$$\frac{|\sin \alpha|}{\cos \alpha} = \frac{-\sin \alpha}{\cos \alpha}$$

$$\cos \alpha + \rightarrow \frac{1 - \sin \alpha}{\cos \alpha} = \frac{1 + \sin \alpha}{\cos \alpha} \quad \times$$

$$\cos \alpha - \rightarrow \frac{-1 - \sin \alpha}{\cos \alpha} = \frac{-1 - \sin \alpha}{\cos \alpha} \quad \checkmark$$



پس صحیح



$$\tan\left(\frac{\pi}{2} - \alpha\right) = +\cot \alpha = \frac{-r}{p}$$

$$\tan \alpha = \frac{-p}{r}$$

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

$$= \frac{r}{r}$$



$$\frac{\cos \alpha + \sin \alpha}{|\tan \alpha - 1|}$$

$$\frac{\frac{r}{\sqrt{r}} + \frac{-\sqrt{r}}{\sqrt{r}}}{|\frac{r}{\sqrt{r}} - 1|} = \frac{\frac{r - \sqrt{r}}{\sqrt{r}}}{\frac{r - \sqrt{r}}{\sqrt{r}}} = \frac{r - \sqrt{r}}{r}$$

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

$$\frac{r}{q} = \sin^2 \alpha$$

$$\sin \alpha = \frac{-\sqrt{r}}{\sqrt{r}}$$

$$\tan \alpha = \frac{\frac{\sqrt{r}}{\sqrt{r}}}{\frac{-\sqrt{r}}{\sqrt{r}}} = \frac{\sqrt{r}}{-\sqrt{r}}$$

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

$$\omega \cos^2 \alpha = 1$$

$$\cos^2 \alpha = \frac{1}{\omega}$$

$$\cos \alpha = \frac{1}{\sqrt{\omega}}$$

$$\frac{-r m}{m^2 - 1} = \sqrt{r}$$

$$-r m = \sqrt{r} m^2 - \sqrt{r}$$

$$\sqrt{r} m^2 + r m - \sqrt{r} = 0$$

$$m^2 + r m - r = 0$$

$$m = \frac{-r}{\sqrt{r}} \quad m = \frac{1}{\sqrt{r}}$$

$$\frac{1}{\sqrt{r}} - \frac{-r}{\sqrt{r}} = \frac{r}{\sqrt{r}} \text{ ok!}$$

$$0 < \frac{1-m}{r+m} < 1$$

$$\frac{-r m - 1}{r + m} < 0$$

$$\frac{-r}{-} + \frac{1}{-}$$

$$\frac{-r}{-} + \frac{1}{-}$$

$$m = \left(-\frac{1}{r}, 1 \right)$$

~~$$\frac{-\sqrt{r}}{\sqrt{r}} \times \frac{-\sqrt{r}}{\sqrt{r}} + \frac{-\sqrt{r}}{\sqrt{r}} \times \frac{\sqrt{r}}{\sqrt{r}} = \frac{r}{r} = \frac{r}{r} = 0$$~~

$$-\frac{\sqrt{r}}{\sqrt{r}} \times \frac{-\sqrt{r}}{\sqrt{r}} + \frac{-\sqrt{r}}{\sqrt{r}} \times \frac{\sqrt{r}}{\sqrt{r}} = \frac{r}{r} = \frac{r}{r} = 0$$