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$$r \times \frac{1}{r} \times \sin \theta \times r \times \frac{1}{r} \times \cos \theta = \Delta r$$

$$\alpha^r = 1 \Delta$$

$$\alpha = r \sqrt{r}$$

$$r_0 = r(\alpha + \alpha) = r_0 \sqrt{r}$$

(۲) -1

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

(۲) -۲

$$\frac{r_0}{r} \sin A - \frac{r \Delta}{r} \sin A = \frac{V}{r}$$

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

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

$$\hat{A} = 30^\circ$$

$$\tan \hat{A} = \frac{\sqrt{r}}{r}$$

(۲) -۳

$$\frac{1}{\sqrt{\cos x}} - \tan x = \frac{1 + \sin x}{|\cos x|}$$

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

$$|\sin x| = -\sin x$$

$\sin x < 0, \cos x < 0 \Rightarrow$ در ربع سوم x ✓

$$\tan x = \frac{1 - 1 - \sin x}{|\cos x|}$$

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

$$|\cos x| = -\cos x$$

$$\cos x < 0$$

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

$$\cot(\pi - \alpha) = -\cot \alpha = \frac{r}{1, \Delta} = \frac{r}{r} \Rightarrow \cot \alpha = -\frac{r}{r}$$

(۲) -۴

$$\frac{r \cos(2r^\circ) - r \sin(1 \Delta r^\circ)}{\sin(2r^\circ) - \cos(2r^\circ)} = \frac{-r \sin(2r^\circ) - r \sin(2r^\circ)}{-\sin(2r^\circ) - \sin(2r^\circ)} = \frac{-2r \sin(2r^\circ)}{-2r \sin(2r^\circ)} = \frac{\Delta}{r}$$

(۲) -۵

$$\frac{\cos x + \sin x}{|\tan x - 1|} = \frac{\frac{r}{r} - \frac{\sqrt{r}}{r}}{\frac{1}{r}} = \frac{r - r\sqrt{r}}{r}$$

$$\cos^r x + \sin^r x = 1$$

$$\sin^r x = \frac{r}{r}$$

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

$$\tan^r x = \frac{1}{\cos^r x} - 1 = \frac{\Delta}{r}$$

$$\sin^r x + \cos^r x = 1$$

$$r \cos^r x + \cos^r x = 1$$

$$\cos^r x = \frac{1}{r}$$

$$\cos x = \frac{-1}{\sqrt{r}} = \frac{-\sqrt{r}}{r}$$

(۲) -۶

$$\tan \gamma_0 = \frac{-Ym}{m^2-1}$$

$$\frac{-Ym}{m^2-1} = \sqrt{r} \quad \sqrt{r} m^2 + Ym - \sqrt{r} = 0$$

$$\frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{Y^2+4r}}{\sqrt{r}} = \frac{Y}{\sqrt{r}} = \frac{Y\sqrt{r}}{r} \quad \checkmark$$

$$-\frac{\pi}{r} < \alpha < \frac{\pi}{r}$$

$$\frac{\pi}{r} > -\alpha > -\frac{\pi}{r}$$

$$\frac{\pi}{r} > \frac{\pi}{r} - \alpha > 0$$

$$\tan\left(\frac{\pi}{r} - \alpha\right) = \frac{1-m}{r+m} > 0$$

$$\frac{-Y}{-r+Y} - Y < m < 1 \quad \checkmark$$

$$(-\sqrt{r})(-\frac{\sqrt{r}}{r}) + (-\sqrt{r})(\frac{\sqrt{r}}{r}) = \frac{r}{r} - \frac{r}{r} = 0 \quad \checkmark$$

(r) -1

(r) -9

(r) -10