

دینا آئی

$$\tan 75^\circ = \tan(45^\circ + 30^\circ) = \frac{\frac{\sqrt{3}}{4} + 1}{1 - \frac{\sqrt{3}}{4}} = \frac{\sqrt{3} + 4}{4 - \sqrt{3}}$$

پیشگیہ



$$\tan 195^\circ = \tan(180^\circ + 15^\circ) = \tan 15^\circ = \frac{4 - \sqrt{3}}{4 + \sqrt{3}}$$

1399

$$\frac{(\sin x + \cos x)^2}{\sin^2 x - \cos^2 x} = \frac{1}{- \cos 2x} = \frac{1}{\cos 2x}$$

$$\cos 2x = \frac{1}{\cos 2x} \rightarrow \tan^2 x = \frac{1 + \frac{1}{\cos 2x}}{1 - \frac{1}{\cos 2x}} = \frac{\cos 2x + 1}{\cos 2x - 1}$$

$$\frac{\sin^2 x - 1 + \sin^2 x + 1}{\sin^2 x + 1 - \sin^2 x - 1} = \frac{2 \sin^2 x}{-2 \sin^2 x} = -1$$

$$\sin^2 x = 0 \rightarrow \sin x = 0 \quad \cos x = 1 - \frac{0}{1} = 1$$

$$\tan x = \frac{0}{1} = 0$$

جمعہ

5

$$\cos^2 x = \frac{1 + \cos 2x}{2} = \frac{1 + \frac{\sqrt{3}}{2}}{2} = \frac{2 + \sqrt{3}}{4}$$

1399

$$\cos 135^\circ = -\frac{\sqrt{2}}{2} \rightarrow \sin 135^\circ = \frac{\sqrt{2}}{2} = \frac{1}{\sqrt{2}}$$

دینا آئی

4

$$x^2 + y^2 = 100 \rightarrow x^2 + y^2 = 100$$

$$x^2 + y^2 = 100 \rightarrow x^2 + y^2 = 100$$

$$| \cos m - \cos n | \rightarrow \cos x - \cos y = -1$$

$$S = \frac{1}{2} R^2 \rightarrow \frac{1}{2} \times 9 = \frac{1}{2} \times 9$$

$$VR + AB = 9 \times (\frac{2}{3} \times 9) = 9 + \frac{1}{2} \times 9$$

$$S_{ABC} = \frac{1}{2} \times 1 \times \cos x \sin x = 1.1 \sqrt{2}$$

$$P = a + b + c = 2 + 1 + 2 = 5 \rightarrow x = 5$$

$$x = \sqrt{4 + 4 - 2 \times 2 \times 1} = 2$$

$$A + B + C = 180^\circ \rightarrow A = 180^\circ$$

$$\sin A \rightarrow \frac{\sin A}{\cos A} = \frac{\sin B}{\cos B} \rightarrow \frac{1}{\cos A} = \frac{\sin B}{\cos B} = \frac{1}{\cos B}$$

$$B = 180^\circ - C = 180^\circ - 180^\circ = 0^\circ$$

$$-\tan x + \tan x = \frac{1}{\tan x} = 1$$

$$-\tan x - \tan x$$