

1 March 2024 / ١٤٤٥ شعبان ٢٠

Friday / جمعه

امروز یکشنبه - ١٤٤٥ - ١٠ فروردین

الف) $\sqrt{x} \times \frac{\pi}{110} = \frac{2\pi}{20}$

ج) $\frac{2\pi}{x} \times \frac{1A_0}{x} = 75^\circ$

ب) $\frac{15}{5} \times \frac{\pi}{110} = \frac{50\pi}{72}$

د) $\frac{2\pi}{9} \times \frac{1A_0}{x} = 1^\circ$

درم $\frac{9}{10}$ هزار

$12, 15a + 22, 15a + 10a = 30a$

$\frac{15a}{9} \times \frac{1}{10} = \frac{15a}{90} = \frac{1}{6}a$

$a \times 3$

$\frac{a\pi}{2} \times \frac{1A_0}{\pi} = 22, 15a$

الف) $\frac{\sqrt{x}}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{\sqrt{x}}{2} = 1 + 2 = 1$

$\frac{\sqrt{x}}{2} - \frac{\sqrt{x}}{2} = 1 + 2 = 1$

ب) $\frac{(\frac{\sqrt{x}}{2})^2 + 1}{\sqrt{x} - \frac{\sqrt{x}}{2}} = \frac{(\frac{\sqrt{x}}{2})^2}{\frac{\sqrt{x}}{2} - \frac{\sqrt{x}}{2}} = \frac{\frac{x}{4} + 1}{0} = \frac{x}{4} + 1$

$\sin(A-B) = \sin A \cos B - \cos A \sin B = \sin 30^\circ \cos 40^\circ - \cos 30^\circ \sin 40^\circ = \frac{1}{2} \cos 40^\circ - \frac{\sqrt{3}}{2} \sin 40^\circ$

$\sin(30^\circ - 40^\circ) = \sin(-10^\circ) = -\sin 10^\circ = -\frac{1}{2}$

$\sin 30^\circ \cos 40^\circ + \cos 30^\circ \sin 40^\circ = [\sin 30^\circ \cos 40^\circ - \cos 30^\circ \sin 40^\circ]$

$= \sin(30^\circ - 40^\circ) = (-\frac{1}{2}) = -\frac{1}{2}$

$\sin \theta = \frac{1}{\sqrt{2}} \rightarrow 0 < \theta < 90^\circ \rightarrow \sin \theta = \frac{\sqrt{2}}{2} \rightarrow \theta = 45^\circ$

$$\frac{\frac{\sqrt{2}}{2} \times \frac{4}{4}}{\left(\frac{4}{4}\right) \frac{4}{4}}, \frac{\sqrt{2} \times 4}{4 \times 4} = \sqrt{2}$$

$$0 < \theta < 90^\circ$$

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$$\tan \theta = \sqrt{2} \Rightarrow \theta = 45^\circ$$

$$1 - \tan^2 \theta = \frac{4}{9}$$

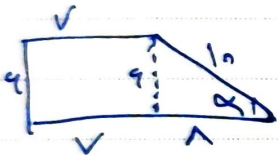
$$1 - \cot^2 \theta = \frac{4}{9}$$

$$\frac{40}{110} = \frac{\text{Real}}{\pi}$$

$$\frac{40\pi}{110} = \left(\frac{\pi}{5} \right)$$

$$- 4 - \text{مقدار جیب } \cos$$

$$\frac{\tan - 1}{\tan - 2} = \frac{12}{1} = 12$$

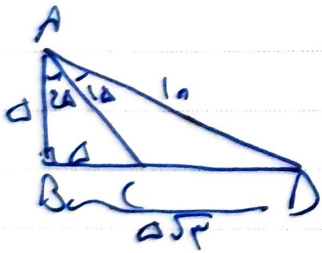


$$\sin \alpha = \frac{4}{10} = \frac{\text{مقابل}}{\text{وتر}} = \frac{4}{10}$$

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$$100 - 44 = 56 \Rightarrow \sqrt{56} = 7.5$$

$$P = \frac{(V \times I) \times 4}{4} = 44$$



$$\sin 45 = \frac{\sqrt{2}}{2} = \frac{BD}{10}$$

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$$\sqrt{100 - 45} = 7.5$$

$$\tan \alpha = \frac{\text{مقابل}}{\text{جوار}} = \frac{4}{5}$$

$$D(5\sqrt{2} - 5) \Rightarrow \frac{5\sqrt{2} - 5}{\sqrt{2}} = 5(\sqrt{2} - 1)$$

$$\sin \pm \sqrt{1 - \cos^2} = \pm \sqrt{1 - \frac{9}{10}} = \pm \frac{1}{\sqrt{10}} \Rightarrow \frac{1}{\sqrt{10}} = \frac{1}{\sqrt{10}}$$

$$\ln \tan \frac{1}{\cos} \rightarrow \ln \frac{1}{\cos} = \ln \frac{1}{\cos} = \ln \frac{1}{\cos} = \ln \frac{1}{\cos}$$

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