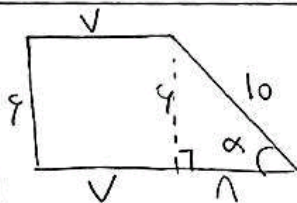


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| $\frac{D}{1\lambda_0} = \frac{R_{ad}}{\pi} \quad \frac{V V^*}{1\lambda_0} = \frac{R_{ad}}{\pi} \quad R_{ad} = \frac{V V H}{1\lambda_0} \quad \frac{V H}{V}$ $\frac{V \omega}{1\lambda_0} = \frac{R_{ad}}{\pi} \quad R_{ad} = \frac{V \omega H}{1\lambda_0} = \frac{V \omega H}{V \epsilon} \quad \frac{V H}{\epsilon} = \frac{\pi}{1\lambda_0} \quad \alpha = 1\lambda_0$ $\frac{V H}{\epsilon} = \frac{\pi}{1\lambda_0} \quad \frac{\omega a 1\lambda_0}{V} = V \omega^* \quad \frac{V H}{\epsilon} = \frac{\pi}{1\lambda_0}$                                                                                                                                | 1 |
| $10a^*$ $\frac{V \omega a}{V \epsilon_0} = \frac{\pi}{1\lambda_0} \quad \frac{V \omega a \times 1\lambda_0}{V \times V \epsilon_0} = \frac{V \omega a}{V} \quad V \left( \frac{V \omega a}{V} + \frac{V \omega a}{V} + 10a = 1\lambda_0 \right)$ $\frac{a H}{V} = \frac{\pi}{1\lambda_0} \quad \frac{a \times 1\lambda_0}{V \times V} = \frac{V \omega a}{V} \quad V \omega a + V \omega a + 10a = V \epsilon_0$ $90a = V \epsilon_0 \quad   a = 1\epsilon_0$                                                                                                                                                                                                 | ۲ |
| $W) \cos 70^\circ \cos 30^\circ - \sin 70^\circ \sin 30^\circ - \tan 70^\circ + \frac{V \omega + V \omega^*}{1}$ $\frac{1}{V} \times \frac{\sqrt{V}}{V} - \frac{\sqrt{V}}{V} \times \frac{1}{V} - 1 + V =$ $\frac{\sqrt{V}}{V} - \frac{\sqrt{V}}{V} - 1 + V = 1$ $\Rightarrow \frac{\tan 70^\circ + \tan 70^\circ + \tan 70^\circ}{\omega + V - \cot 70^\circ} = \frac{\left(\frac{\sqrt{V}}{V}\right)^2 + (1)^2 + \left(\frac{V}{\sqrt{V}}\right)^2}{\left(\sqrt{V} - \frac{\sqrt{V}}{V}\right)} = \frac{\frac{1}{V} + \frac{V}{V} + V}{\frac{V \sqrt{V}}{V}} = \frac{1V + V + V}{V \sqrt{V} - \sqrt{V}} = \frac{1V \times \sqrt{V}}{V \sqrt{V} - \sqrt{V}}$ | ۳ |
| $-\sin 70^\circ \cos 70^\circ + \cos 70^\circ \sin 70^\circ = \sin \theta \quad \frac{V \sqrt{V}}{V}$ $\left( -\frac{1}{V} \times \frac{1}{V} \right) + \left( \frac{\sqrt{V}}{V} \times \frac{\sqrt{V}}{V} \right) = \sin \theta \quad \sin \theta = \frac{\sqrt{V}}{V}$ $-\frac{1}{V} + \frac{V}{V} = \frac{V}{V} \quad \sin \theta = \frac{V}{V} \quad \cos \theta = \frac{\sqrt{V}}{V}$ $\tan \theta = 1$                                                                                                                                                                                                                                                 | ۴ |
| $\frac{V \tan 70^\circ (1 - \tan 70^\circ)}{(1 - \cot 70^\circ)^2} = \tan \theta \rightarrow \sqrt{V}$ $\frac{V \sqrt{V}}{V} = \frac{V \sqrt{V}}{V} = \sqrt{V}$ $\frac{V \sqrt{V}}{V} = \frac{V \sqrt{V}}{V} = \sqrt{V}$ $\frac{V \sqrt{V}}{V} = \frac{V \sqrt{V}}{V} = \sqrt{V}$ $\frac{V \sqrt{V}}{V} = \frac{V \sqrt{V}}{V} = \sqrt{V}$                                                                                                                                                                                                                                                                                                                    | ۵ |

$$\tan \theta = \omega \quad \frac{\sin \theta}{\cos \theta} = \omega \quad \omega \cos \theta = \sin \theta$$

$$\frac{10 \cos \theta}{10 \cos \theta - 15 \cos \theta} = \frac{15 \cos \theta}{10 \cos \theta} = 1.5$$

3

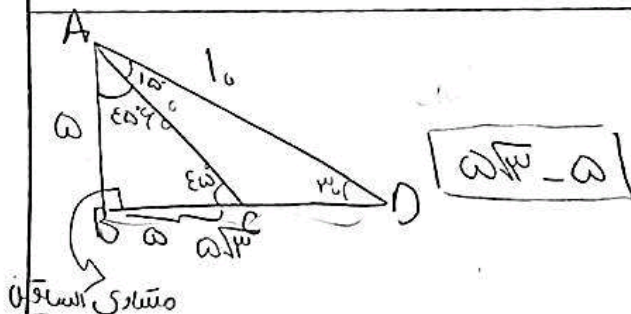


$$\sin \alpha = \frac{9}{10}$$

$$\frac{9}{19} = \frac{9}{10}$$

$$\frac{4(-v)}{1x} + 1 + 10 + 9 = 31$$

**Y**



$\bar{\mu} \pm \frac{1}{\sqrt{r}} \approx \psi_0$  قابل مقابله  
 $\bar{\sigma} \pm \frac{\sqrt{\sigma_0}}{\sqrt{r}} \approx \psi_0' \sim \sim$

A

الف)  $\mu_{\text{فردى}}$

AP 226 C

9

$$\frac{\sin n}{\cos 3n} = \frac{1}{v}$$

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

$$\psi_{\text{in}} = \cos u$$

$$\sin^4 x + \cos^4 x = 1$$

$$\sin \alpha = \frac{1}{\sqrt{10}} \rightarrow$$

$$\frac{1}{\sqrt{10}}$$

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