

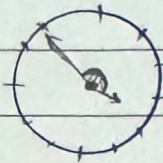
Subject :

Year : Month : Date : ()

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نفس رئيسي
سبب معرفة ١٩
هم (٢٥) C

$$\frac{\omega f}{P} = \frac{17}{P} \text{ انحراف « ساعت » شعاع}$$



$$1' = 9^\circ \quad 3: \omega K' \quad (1)$$

$$9^\circ + (5 \times 1^\circ) + 27 = 103^\circ$$

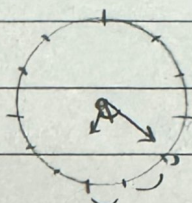
الف

$$|diam - 1^\circ H| = | \omega \omega \times \omega K - 9^\circ | \text{ , } 27^\circ \quad \text{ب}$$

$$34^\circ - 2^\circ V = 103^\circ \quad \leftarrow$$

$$\frac{11}{P} = 9^\circ \text{ انحراف « ساعت » شعاع}$$

$$9: 11' \quad (2)$$



$$1' = 12^\circ$$

$$(12) + 2 \times 1^\circ + 9^\circ \text{ الف}$$

$$12 + 2 + 9 = 23 + 9 = 32^\circ$$

$$|diam - 1^\circ H| = | \omega \omega \times 11 - 3^\circ \times 4 | \text{ , } | 99 - 12 | \quad \text{ج}$$

$$= 87^\circ$$

(3)

$$\frac{\pi}{4} \times 9 = \frac{3\pi}{4} \times \frac{11}{P} = \frac{\pi}{P} \times 33 = \text{انحراف « ساعت » شعاع} \quad \text{د}$$

$$P + \alpha R = 4 + \frac{\pi}{4} \times 33 = 4 + \frac{\pi}{4} \quad \text{هـ (ملاحظة بسيطة)}$$

(4)

$$S_A = \frac{1}{P} \times AB \times AC \times \sin 4^\circ = 1.0\sqrt{3} \text{ م}$$

$$\frac{1}{P} \times \omega \times A \times \frac{\sqrt{3}}{P} = 1.0\sqrt{3}$$

$$BC = \sqrt{(AB)^2 + (AC)^2 - 2(AB)(AC)(\cos 4^\circ)} = \sqrt{25 + 49 - 70} = \sqrt{4} = 2 \text{ م}$$

$$\omega + 1 + V = P_0 \quad \leftarrow$$

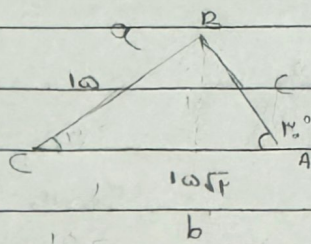
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$$\hat{B} + \hat{C} = 100^\circ$$

(a)

$$\frac{\sin \hat{A}}{a} = \frac{\sin \hat{B}}{b} = \frac{\sin \hat{C}}{c}$$

$$\frac{1}{\sqrt{2}} = \frac{\sin \hat{B}}{10\sqrt{2}}$$

B'

$$\hat{B} = \frac{\pi}{4}$$

$$\sin \hat{B} = \frac{\sqrt{2}}{2} \Rightarrow \hat{B} = 45^\circ$$

$$\hat{C} \Rightarrow \frac{100}{100} = \frac{Rac}{100}$$

$$\hat{C} = \frac{\pi}{4}$$

$$\hat{C} = 100^\circ - \hat{B} = 55^\circ$$

$$\tan(\pi - \alpha) + r \tan(\pi + \alpha)$$

$$= -\tan \alpha + r \tan \alpha$$

$$r \tan \alpha$$

$$= -1$$

(c)

$$\tan(\pi - \alpha) - \tan(\pi + \alpha)$$

$$= -\tan \alpha + \tan \alpha$$

$$= r \tan \alpha$$

$$r$$

$$\tan \frac{\pi}{4} = 1$$

$$r \tan(45^\circ) + \tan(10^\circ)$$

$$r \tan(145^\circ) - \tan(10^\circ)$$

(v)

$$\frac{D}{10} = \frac{Rac}{10}$$

$$\frac{\pi}{10} = \frac{D}{10}$$

$$\frac{1}{10} = \frac{D}{10}$$

$$= D = \frac{10}{10} = 10^\circ$$

$$r \tan\left(\frac{\pi}{4} - 10^\circ\right) + \tan\left(\frac{\pi}{4} + 10^\circ\right)$$

$$r \tan(\pi - 10^\circ) - \tan\left(\frac{\pi}{4} - 10^\circ\right)$$

$$r \cot 10^\circ + \cot 10^\circ$$

$$= \cot 10^\circ$$

$$- r \tan(10^\circ) + \cot(10^\circ)$$

$$= r \tan \alpha + \cot 10^\circ$$

$$\frac{1}{a} = \frac{1}{a} = \frac{a}{a^2 + 1} = \frac{1}{a^2 + 1}$$

$$\sin m + \cos m$$

$$\sin m - \cos m$$

$$r \sin^2 m + \cos^2 m$$

(A)

$$\sin m - \cos m$$

$$\sin m + \cos m$$

$$\sin^2 m - \cos^2 m$$

$$r(\sin^2 m + \cos^2 m) = 1$$

$$r = 1 - 4 \cos^2 m$$

$$\sin^2 m - \cos^2 m = 1 - 4 \cos^2 m$$

$$4 \cos^2 m = 1$$

$$1 - \cos^2 m$$

$$\cos^2 m = \frac{1}{4}$$

$$\tan^2 m = \frac{\sin^2 m}{\cos^2 m} = \frac{\frac{3}{4}}{\frac{1}{4}} = 3$$

$$\sin^2 m = \frac{3}{4}$$

Ruzzle

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$$\frac{\sin^p \alpha - p \cos^p \alpha + 1}{\sin^p \alpha + p \cos^p \alpha - 1} = \frac{1 - \cos^p \alpha - p \cos^p \alpha + 1}{\cos^p \alpha}$$

$$\frac{1 + \cos^p \alpha}{1 - \cos^p \alpha - p \cos^p \alpha + 1}$$

$$\cos^p \alpha$$

(9)

$$\frac{-p \cos^p \alpha + p}{\cos^p \alpha} = k \Rightarrow -p \cos^p \alpha + p = k \cos^p \alpha$$

$$p \cos^p \alpha = p \Rightarrow \cos^p \alpha = \frac{p}{p}$$

$$\frac{1}{\cos^p \alpha} = \tan^p \alpha + 1 \Rightarrow \frac{p}{p} - 1 = \tan^p \alpha$$

$$\tan^p \alpha = \frac{p}{p} - 1 = 1, \omega$$

$$\cos^p \alpha = \frac{\cos^p \alpha + 1}{p}$$

(10)

$$\cos(4\pi/\omega) =$$

$$\cos^p 4\pi/\omega = \frac{1 + \cos^p \alpha}{p} = \frac{1 + \frac{p}{p}}{p} = \frac{p + p}{p} = \frac{2p}{p} = 2$$

$$\Rightarrow \cos^p 4\pi/\omega = \frac{p + \sqrt{p}}{p}$$

$$\sin^p \alpha = \frac{1 - \sin^p \alpha}{p}$$

$$\sin(4\pi/\omega) =$$

$$\sin^p 4\pi/\omega = \frac{1 - \sin^p \alpha}{p} = \frac{1 + \frac{p}{p}}{p} = \frac{p + p}{p} = \frac{2p}{p} = 2$$

$$\sin(4\pi/\omega) = \frac{p + \sqrt{p}}{p}$$