

سوارزم .

۱۷, ۵

نام و نام خانوادگی پاسنامه تشریحی تکلیف شماره کلاس

$$\frac{-a \sin \pi/4 - b \cos \pi/4}{-a \sin \pi/4 + b \cos \pi/4} = \frac{-\sqrt{2}/2 (a+b)}{\frac{b-a}{2}} = \frac{-\sqrt{2}(a+b)}{b-a} = \frac{1}{\sqrt{2}}$$

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$$\epsilon \cos \pi/4 = \frac{1}{\sqrt{2}}$$

$$3a + 3b = -(b-a)$$

$$3a + 3b = a - b$$

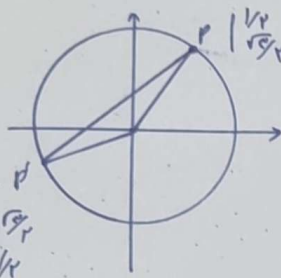
$$3a + 3b = 0$$

$$\frac{b}{a} = -1/2$$

$$\frac{\sqrt{2}(a+b)}{a-b} = -\frac{\sqrt{2}}{2} \rightarrow 2a + 2b = -a + b$$

$$3a - b = 0 \rightarrow \frac{b}{a} = 3 \rightarrow \frac{b}{a} = -1/2$$

$$3a - b = 0$$

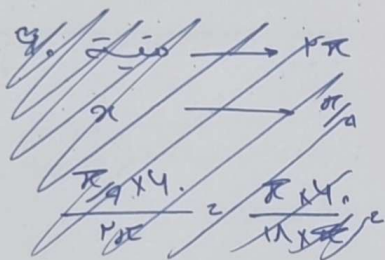


$$OP = OP' = 1$$

$$PP' = \sqrt{\left(\frac{1-\sqrt{2}}{2}\right)^2 + \left(\frac{1-\sqrt{2}}{2}\right)^2} = \frac{(1-\sqrt{2})\sqrt{2}}{2}$$

$$\text{مساحت} = 1 + 1 + \frac{\sqrt{2}-\sqrt{4}}{2} = \frac{4+\sqrt{2}-\sqrt{4}}{2}$$

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$$9. \text{ (مساحت) } \rightarrow \pi/4$$

$$x \rightarrow \pi/4$$

$$2: \epsilon. 1$$

$$\frac{\pi/4 \times 4}{\pi/4} = \frac{4 \times 4}{4} = \frac{2 \times 4}{\pi} = \frac{2 \times 2}{1} = 4$$

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$$\propto 2 \left| \frac{11M}{2} - 3H \right|$$

$$2. = \left| \frac{11M}{2} - 3H \right|$$

$$2. = \left| \frac{11M}{2} - 9 \right|$$

$$\frac{11M}{2} - 9 = 2$$

$$\frac{11M}{2} = 11$$

$$M = 2$$

$$M = 2$$

مساحت

$$\frac{11M}{2} - 9 = -2$$

$$\frac{11M}{2} = 7$$

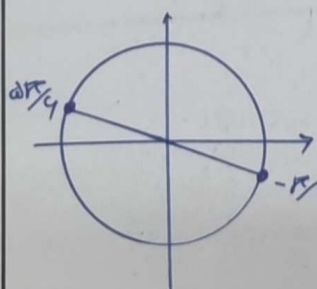
$$M = \frac{14}{11}$$

$$M = \frac{14}{11}$$

$$M = \frac{14}{11}$$

$$M = \frac{14}{11}$$

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$$-\pi/4 < x \leq \pi/4$$

$$0.5 < m \leq 1$$

$$-1/2 < \sin x \leq 1$$

$$1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8$$

$$-1/2 \leq \frac{m-3}{2} \leq 1$$

$$-2.5 < m-3 \leq 2$$

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$$\frac{\sin(\pi/4 + \alpha) + k \cos(\pi/4 - \alpha)}{\cos(\pi - \alpha) + \pi \sin(\pi + \alpha)} = \frac{\cos \alpha - k \sin \alpha}{-\cos \alpha - \pi \sin \alpha} = \pi$$

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

$$\frac{\pi - k}{-\pi - \pi} = \pi$$

$$\begin{cases} \sin \alpha \rightarrow 1 \\ \cos \alpha \rightarrow \pi \end{cases}$$

$$\pi - k = -1 \quad \checkmark \quad k = \pi$$

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$$1 - \cos x = \pi + \pi \cos x$$

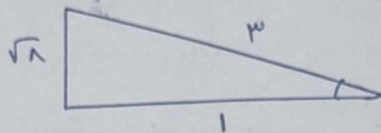
$$-1 = 2\pi \cos x$$

$$\cos x = -1/\pi$$

$$\sin x = \frac{\sqrt{\pi}}{\pi}$$

$$\tan x = -\pi$$

$$\cot x = \frac{1}{\pi} = \frac{\sqrt{\pi}}{\pi}$$



$$\frac{\cot x + \cot x}{\tan x - \pi \tan x} = \frac{\pi \cot x}{-\tan x}$$

$$\frac{\pi \left(\frac{\sqrt{\pi}}{\pi} \right)}{+\pi \sqrt{\pi}} = \frac{-1}{\pi}$$

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$$\frac{1}{\pi} = \frac{\text{Rad}}{\pi}$$

$$CB = r_B \times \frac{4\pi}{1}$$

$$CA = r_A \times \frac{\pi}{\omega}$$

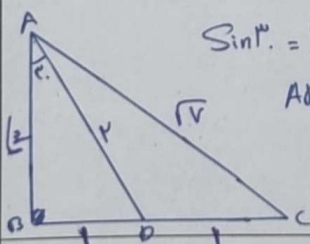
$$\frac{r_A}{r_B} = \frac{4\pi/1}{\pi/\omega} = \frac{\pi}{\omega}$$

$$\frac{S_A}{S_B} = \left(\frac{r_A}{r_B} \right)^2 = \left(\frac{\pi}{\omega} \right)^2 = \frac{4}{\pi}$$

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$$S = \frac{AB \times BC}{\pi} = \sqrt{\pi}$$

$$AB \times BC = \pi \sqrt{\pi}$$



$$\sin^2 \theta = \frac{1}{\pi} = \frac{BC}{AD}$$

$$AD \rightarrow \pi$$

$$AB^2 + BD^2 = AD^2$$

$$AB^2 + 1 = \pi$$

$$AB = \sqrt{\pi}$$

$$\pi \times DC = \pi \times BC = \pi$$

$$DC = 1$$

$$AC^2 = AB^2 + BC^2$$

$$AC = \sqrt{\pi}$$

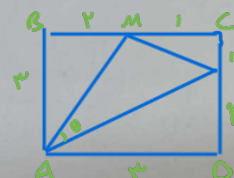
$$\sin^2 \theta = \pi \sin \theta \cos \theta = \pi \times \frac{AB}{AC} \times \frac{BC}{AC} = \pi \times \frac{\sqrt{\pi}}{\sqrt{\pi}} \times \frac{1}{\sqrt{\pi}} = \frac{\pi \sqrt{\pi}}{\sqrt{\pi}}$$

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$$AN = AM \rightarrow AM^2 = (AB^2) + (BM^2) = \pi + \pi = 1\pi \rightarrow AM = \sqrt{\pi}$$

$$S_{ADN} = S_{ABM} = \frac{\pi \times \pi}{\pi} = \pi, \quad S_{MCN} = \frac{1 \times 1}{\pi}$$

$$S_{ADN} + S_{ABM} + S_{MCN} + S_{AMN} = S_{ABCD} \rightarrow$$



$$\frac{1}{\pi} \times \sqrt{\pi} \times \sqrt{\pi} \times \sin \theta = \frac{\omega}{\pi}$$

$$\sin \theta = \frac{\omega}{\pi}$$

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