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$$-\frac{1}{4} \leq \frac{m-5}{0} \leq \frac{1}{4} \Rightarrow Z_n = \left(-\frac{1}{4}, \frac{1}{4}\right) \Rightarrow -\frac{1}{4} < \frac{m-5}{0} < \frac{1}{4} \Rightarrow -5$$

$$\Rightarrow m = \left(\frac{1}{4}, 1\right] \Rightarrow \text{مجموعه } \left(\frac{1}{4}, 1\right]$$

$$\frac{\cos 10^\circ + -k \sin 10^\circ}{- \cos 10^\circ} = \frac{1 - 0.1736k}{-1 - 0.1736} = 2 \Rightarrow -4.8 = 1 - 0.1736k \Rightarrow$$

$$0.1736k = 5.8 \Rightarrow k = 33.4$$

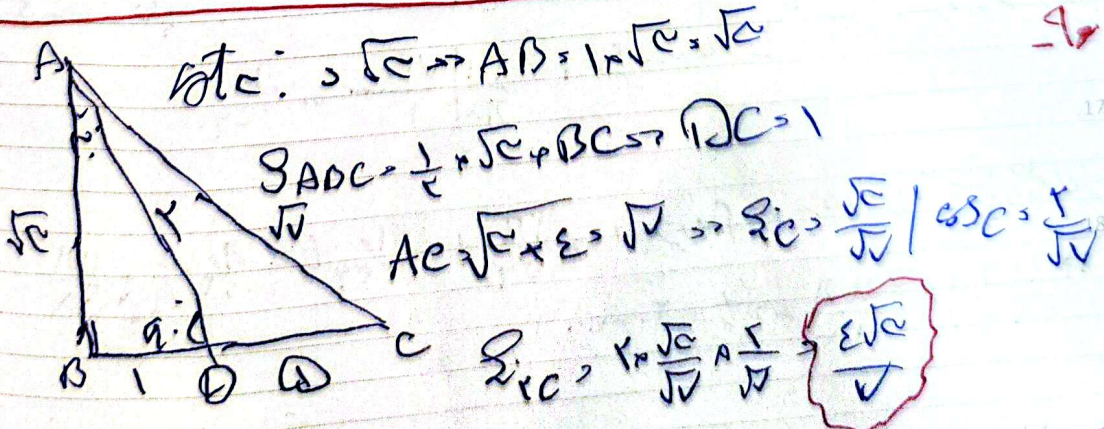
$$\frac{1 - \cos \theta}{1 + \cos \theta} = 2 \Rightarrow 1 - \cos \theta = 2(1 + \cos \theta) \Rightarrow \cos \theta = -\frac{1}{3}$$

$$\sin \theta = \sqrt{1 - \left(-\frac{1}{3}\right)^2} = \frac{\sqrt{8}}{3}$$

$$\frac{\cot \theta - (-\cot \theta)}{\tan \theta + 1(-\tan \theta)} = \frac{2\cot \theta}{\tan \theta} = -2 \frac{\cos \theta}{\sin \theta} = -2 \frac{-1/3}{\sqrt{8}/3} = \frac{2}{\sqrt{8}} = \frac{1}{\sqrt{2}}$$

$$I_{AB} = \frac{1 \cdot \pi}{R} = \frac{1 \cdot \pi}{\pi} \Rightarrow R = 1 \text{ cm} / R = \frac{9\pi}{1}$$

$$\frac{9\pi}{8} \cdot \pi A = \frac{9\pi}{1} \cdot \pi B \Rightarrow \frac{\pi A}{\pi B} = \frac{9\pi}{\pi} \Rightarrow \frac{S_A}{S_B} = \left(\frac{9}{1}\right)^2 = \frac{81}{1}$$



روز بهار کائنات سعدی - روز نشر فارسی - روز شهیدای ورزشکار

یکشنبه ۱۴۴۵ شوال ۱۲
اردیبهشت

۱۴۰۳/۲/۲

۱۰. $MN = \sqrt{2} \quad |AM = \sqrt{13} \quad |AN = \sqrt{13}$ منابع

۷. $MN^2 = AM^2 + AN^2 - 2AM \cdot AN \cdot \cos \theta = 2 + 13 - 2 \cdot 13 \cos \theta$

۸. $2 + 13 \cos \theta = 2 \cos \theta = \frac{13}{13} \Rightarrow \cos \theta = \frac{8}{13}$