

۲۰ افزین!

$$\frac{m-k}{9} = -\frac{1}{9} \quad -2 = m-k \quad \sqrt{9^2 + (m-k)^2} = 3\sqrt{5} \quad \text{ضع}$$

$$3\sqrt{5} \times 3\sqrt{5} = 45 \quad \checkmark$$

$n-1 = 2-1-n \quad n=1.5$

$\frac{4-1}{-1-2} \times \frac{y-1}{2-2} = -1 \Rightarrow y=1$

$A(-1, 4) \quad B(2, 1) \quad C(1.5, 1)$

$\overline{AB} = 5 \quad \overline{BC} = 1.5$

$2(\overline{AB} + \overline{BC}) = 14 \quad \checkmark$

$$\frac{-2m}{m^2-1} = \sqrt{3} \Rightarrow \sqrt{3}m^2 - \sqrt{3} = -2m \quad \sqrt{3}m^2 + 2m - \sqrt{3} = 0$$

$$\Rightarrow m = \frac{\sqrt{3}}{3}, -\sqrt{3} \Rightarrow \frac{\sqrt{3}}{3} - (-\sqrt{3}) = \frac{4\sqrt{3}}{3} \quad \checkmark$$

$\overline{BC} \approx m = \frac{1}{2} = 2 \quad y = 2m - 2 \Rightarrow 2m - y - 2 = 0$

$$\frac{|2-9-2|}{\sqrt{5}} = \frac{10}{\sqrt{5}} = 2\sqrt{5} = \text{Attt} \quad \checkmark$$

$\Rightarrow \begin{cases} 2y - 4m = -19 \\ y + 2m = 4 \end{cases} \quad n=2 \quad y=1 \quad B: [1]$

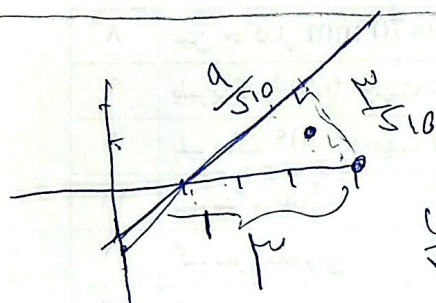
$A(1, 1) \Rightarrow 2y - 4m - 19 = 0 \quad \frac{|4-9-19|}{5} = \frac{24}{5} \quad \checkmark$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = -1 \quad y = -1x - 4 \quad m = -1$$

$$m = -1 \quad n = -4 \quad n = \frac{y}{m} \Rightarrow \frac{4\sqrt{2}}{3} \checkmark$$

$$\frac{a}{1} = \frac{1}{a} \quad a^2 = 1 \quad a = \pm 1 \quad \begin{cases} y - n = 0 \\ y - n = 1 \end{cases} \quad \text{مساحت} = \frac{1}{\sqrt{2}}$$

$$\frac{1}{\sqrt{2}} \Rightarrow \frac{1}{\sqrt{2}} \times \frac{\sqrt{2}}{2} = \frac{1}{2} = 0.5 \checkmark$$



اگر دایره را با خط موازی با خط مماس در نظر بگیریم
و آنرا به دو نیمه تقسیم کنیم و از هر یک یک نقطه بگیریم
این دو نقطه با هم فاصله دارند و این فاصله همان مساحت است

$$\frac{1}{2} \times \frac{1}{5} \times \frac{1}{5} = \frac{1}{50} = \frac{1}{50} \checkmark$$

$$\frac{b-a}{\frac{1}{m} + \frac{1}{n}} = \sqrt{p} \quad \frac{\sqrt{p}}{q} = b-a \quad \sqrt{\left(-\frac{1}{m} + \frac{1}{n}\right)^2 + (b-a)^2} = \frac{1}{q} \quad \text{مساحت}$$

$$\frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2} \checkmark$$

$$y = -\frac{r}{r}x - \frac{r}{r} \quad L \quad \text{خط}$$

$$y = \frac{r}{r}x = r_1$$

$$y = -\frac{r}{r}x = r_1 \quad n^2 + \left(\frac{r}{r}n\right)^2 = r^2 \quad n = -r \quad y = r$$

$$\Rightarrow \text{خط مماس} \quad y - r = \frac{r}{r}(x + r)$$

$$\begin{cases} y - \frac{r}{r} = \frac{r}{r}x \\ y + \frac{r}{r} = -\frac{r}{r}x \end{cases}$$

$$y = -1 \quad n = -1 \quad -1 \times -1 = 1 \checkmark$$

