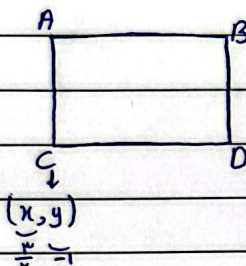


$$m = \frac{\Delta y}{\Delta x} = -\frac{1}{r} \rightarrow \frac{k-m}{-k-k} = -\frac{1}{r} \rightarrow k-m=r \quad \text{طول ضلع: } \sqrt{r^2+9} = \sqrt{r^2} = r\sqrt{5} \quad (1)$$

$$\hookrightarrow S = (r\sqrt{5})^2 = 5r^2$$



AB || CD $\rightarrow m_{AB} = m_{CD} \rightarrow \frac{r}{-r} = \frac{-r}{r_{n+1}} \rightarrow r_{n+1} = -r \rightarrow x = \frac{r}{r}$

AB $\perp$ AC $\rightarrow m_{AB} \times m_{AC} = -1$

$$\frac{-r}{r} \times \frac{1-y}{x} = -1 \rightarrow \frac{r_y-r}{r \times \frac{r}{r}} = -1 \rightarrow r_y-r = -r$$

$$r_y = -r$$

$$y = -1$$

$$\sqrt{\Delta x^2 + \Delta y^2} = \sqrt{4+16} = 2\sqrt{5}$$

$$\sqrt{r^2 + \frac{9}{r^2}} = \frac{r\sqrt{5}}{r} \rightarrow \frac{\Delta}{r} = r\sqrt{5}$$

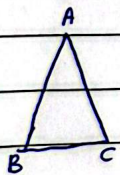
$$P = r(\Delta + r\Delta) = 1\Delta$$

$$(m^r-1)y = -r_m x + r \Rightarrow y = \frac{-r_m}{m^r-1}x + \frac{r}{m^r-1} \quad (2)$$

$$\tan \theta_0 = \sqrt{r} \rightarrow \frac{-r_m}{m^r-1} = \sqrt{r} \rightarrow \sqrt{r} m^r - \sqrt{r} = -r_m \rightarrow \sqrt{r} m^r + r_m - \sqrt{r} = 0$$

$$m^r + r_m - r \rightarrow (m + \frac{r}{\sqrt{r}}) \left(m - \frac{1}{\sqrt{r}} \right) \Rightarrow m_1 = -\frac{r}{\sqrt{r}} = -\sqrt{r} \quad m_2 = \frac{1}{\sqrt{r}} = \frac{\sqrt{r}}{r}$$

$$m_r - m_1 = \frac{\sqrt{r}}{r} - (-\sqrt{r}) = \frac{\sqrt{r}}{r} + \sqrt{r} = \frac{r\sqrt{r}}{r} = \sqrt{r}$$



AH عمود است $\Rightarrow$ BC عمود است؛ A عمود است

BC عمود $\rightarrow m_{BC} = \frac{11-r}{r-r} = r$

$$AH = \frac{|an+by+c|}{\sqrt{a^2+b^2}} \rightarrow \frac{|9-r+r|}{\sqrt{1+1}} = \frac{10}{\sqrt{2}} = \frac{10\sqrt{2}}{2} = 5\sqrt{2}$$

$$y-r = r(n-r) \rightarrow y-r = rn-r \rightarrow y-rn+r = 0$$



AC ; B عمود $\rightarrow ry - rn - 14 = 0$

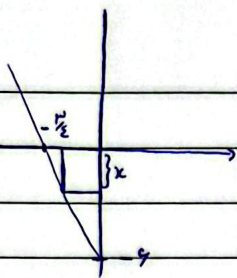
BC : $y + rn - 14 = 0 \rightarrow ry + rn - 14 = 0$

AB : $ry - rn + 14 = 0$

$$11n - 3r = 0 \rightarrow n = \frac{3r}{11} \quad y = 1$$

$$BH = \frac{|an+by+c|}{\sqrt{a^2+b^2}} = \frac{|14-9-14|}{\sqrt{r^2}} = \frac{9}{r}$$

$$= \frac{r}{r} = 1, 2$$



$$\frac{x}{\frac{r}{\varepsilon}} = \frac{4-n}{4} \rightarrow 4n = \frac{4}{\frac{r}{\varepsilon}} \rightarrow \frac{r}{\varepsilon} \rightarrow \frac{r}{\varepsilon} x = \frac{4}{\varepsilon} \quad (4)$$

$$x = \frac{r}{\varepsilon} = \text{طريق}$$

$$\text{قوس} = a\sqrt{r} = \frac{r}{\varepsilon} \sqrt{r}$$

$$y = an + 1$$

$$\text{نابینا} \rightarrow 1 \neq \frac{a-1}{a}$$

$$ay = n + a - 1 \rightarrow y = \frac{1}{a}n + \frac{a-1}{a}$$

$$\text{نابینا} \rightarrow a = \frac{1}{a} \rightarrow ar = 1 \rightarrow a = \frac{1}{r}$$

$$y = n + 1, y = n \quad (1, 2) \rightarrow r = 1 + 1$$

$$y = n + 1, y = n + r \quad (2, 3) \rightarrow r = 1 + r, r = 1 + 1 \times$$

$$\begin{aligned} y = n + 1 &\rightarrow \frac{|c-c'|}{\sqrt{a^2+b^2}} = \frac{|0+1|}{\sqrt{1+1}} = \frac{1}{\sqrt{2}} = \frac{r}{r} \rightarrow \sqrt{a^2 - \left(\frac{r}{r}\right)^2} = \sqrt{r^2 - \frac{1}{r^2}} = \frac{r}{r} = \frac{r}{r} \end{aligned}$$

$$S = \left(\frac{\sqrt{r}}{r}\right) \times \frac{\sqrt{r}}{r} = \frac{r}{r}$$

$$AB = \frac{|an+by+c|}{\sqrt{a^2+b^2}} = \frac{|f-0-1|}{\sqrt{1+9}} = \frac{r\sqrt{10}}{10}$$

$$S = \frac{r\sqrt{10} \times \frac{r}{r}}{r} = \frac{r}{r} = \frac{r}{r}$$

$$BH^r + AH^r = AB^r \rightarrow BH^r = 9 - \frac{r}{r} = \frac{11}{r} \rightarrow BH = \frac{9}{\sqrt{10}}$$

$$m = \sqrt{r} \rightarrow \frac{b-a}{-\frac{1}{r} + 1} = \frac{b-a}{\frac{1}{r}} = \sqrt{r} \rightarrow b-a = \frac{\sqrt{r}}{r} \quad (9)$$

$$\sqrt{\left(\frac{\sqrt{r}}{r}\right)^2 + \frac{1}{r^2}} = \sqrt{\frac{r+1}{r^2}} = \frac{r}{r} = \frac{1}{r} \rightarrow \text{قوس} = a \rightarrow a\sqrt{r} \rightarrow \frac{1}{r} \times \sqrt{r} = \frac{\sqrt{r}}{r}$$

$$\sqrt{(a+r)^2 + (a+r)^2} \rightarrow r = \Delta$$

$$m_{OA} = \frac{r}{r}, m_{BC} = \frac{r}{r} \rightarrow BC \rightarrow y = \frac{r}{r}n + b \rightarrow ry - \varepsilon n - rb = 0$$

$$\Delta = BC \text{ (D)} \rightarrow \frac{|ry - \varepsilon n - rb|}{a} = \Delta \rightarrow -rb = r\Delta \rightarrow b = \frac{r\Delta}{r} = \frac{r\Delta}{r} \rightarrow \text{قوس}$$

$$BC \rightarrow y = \frac{r}{r}n + \frac{r\Delta}{r} \rightarrow BC = -\varepsilon n + ry - r\Delta = 0$$

$$m_{AB} = -\frac{r}{\varepsilon} \rightarrow y + \varepsilon = -\frac{r}{\varepsilon}(n+r) \rightarrow y = -\frac{r}{\varepsilon}n - r\Delta \rightarrow AB \rightarrow rn + \varepsilon y + r\Delta = 0$$

$$\begin{aligned} x &= \frac{-r\Delta - 100}{-14 - 9} = -V & y &= \frac{100 - r\Delta}{-14 - 9} = -1 \\ & & & \rightarrow xy = -Vx - 1 = V \end{aligned}$$