

B A

$$\frac{k-m}{-r-f} = -\frac{1}{r} \Rightarrow m \leq k-m$$

$$AB \leq \sqrt{(k-m)^2 + (-r-f)^2} = \sqrt{9+36} = \sqrt{45} = 3\sqrt{5} \Rightarrow 3\sqrt{5} \times 3\sqrt{5} = 45 \Rightarrow \boxed{45}$$

$$x_A = x_C, y_B = y_D \Rightarrow -1-rn = 3-1-n \Rightarrow n \leq \frac{r}{r} \Rightarrow BC \perp AB \Rightarrow m_{BC} \perp m_{AB} = -1$$

$$\Rightarrow \frac{f-1}{-1-3} \times \frac{y-1}{\frac{r}{r}-3} \Rightarrow y-1 = \frac{f}{r} \times \frac{-r}{r-3} = -f \Rightarrow y = -1 \Rightarrow AB = \sqrt{3^2 + f^2} = 5$$

$$BC = \sqrt{r^2 + (\frac{r}{r})^2} = \frac{5}{r}$$

$$\Rightarrow (r \times \frac{5}{r}) \times (r \times 5) = \boxed{15}$$

$$\tan \theta = \sqrt{3} \Rightarrow y = \frac{r_m n}{m^2-1} + \frac{r}{m^2-1} \Rightarrow \frac{r_m}{m^2-1} = \sqrt{3} \Rightarrow r_m \leq \sqrt{3} m^2 - \sqrt{3} \Rightarrow \sqrt{3} m^2 - r_m - \sqrt{3} = 0$$

$$\Rightarrow f+12=5 \Rightarrow \frac{r+f}{r\sqrt{r}}, \frac{r-f}{r\sqrt{r}}$$

$$\Rightarrow \frac{r}{\sqrt{r}}, \frac{-r}{r\sqrt{r}} \Rightarrow \frac{r}{\sqrt{r}} + \frac{r}{r\sqrt{r}} + \frac{f}{\sqrt{r}} = \boxed{\frac{f\sqrt{r}}{r}}$$

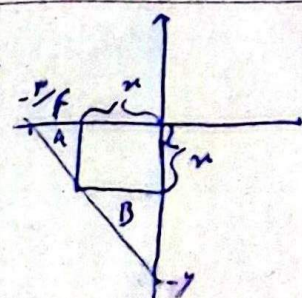
$$BC \text{ مرکز } \Rightarrow \frac{r-11}{r-v} = 2 \Rightarrow y \leq r_n \leq b \xrightarrow{BC \text{ مرکز}} r_n \leq y+b \Rightarrow b=3 \Rightarrow y \leq r_n-3$$

$$A \text{ و } C = \frac{|y-r_n+3|}{\sqrt{a^2+b^2}} = \frac{|1-r_n+3|}{\sqrt{5}} = \frac{1}{\sqrt{5}} \times \frac{\sqrt{5}}{\sqrt{5}} = \frac{1 \cdot \sqrt{5}}{5} = \boxed{\frac{\sqrt{5}}{5}} = AH$$

$$y+r_n=7 \quad -r_n=6n-1 \Rightarrow -11+3n \Rightarrow n=3, y=1 \Rightarrow \frac{|y-r_n-11|}{\sqrt{a^2+b^2}} = \frac{|1-9-11|}{5} = \frac{r_f}{5} = \boxed{\frac{r_f}{5}}$$

$$\Rightarrow \frac{r}{r} \left(\frac{r}{r} - n + 4-n \right) = \frac{r}{r} \left(-r_n + \frac{r}{r} \right) = -r_n + \frac{r}{r} = -r_n + 1 = \frac{1 \times 1}{r_n + 1} = n = \frac{r}{r}$$

$$\Rightarrow \frac{r}{r} \times \frac{r}{r} = \left(\frac{r}{r} \right)^2 \Rightarrow \frac{f}{1} = \frac{r}{r} \Rightarrow \frac{1}{1} = \frac{r}{r} \Rightarrow \frac{\sqrt{1}}{1} = y = \boxed{\frac{r\sqrt{r}}{r}} = \text{نظر}$$



$$y-a \leq a-1 \quad y-a \geq 1 \Rightarrow \text{خطوط موازی} \Rightarrow \frac{1}{a} - a \leq a^2 \leq 1 \Rightarrow a \leq 1 \Rightarrow a > 1 \Rightarrow y = n+1$$

$$y \leq \frac{|c-c'|}{\sqrt{a^2+b^2}} = \frac{1}{\sqrt{r}} = \frac{\sqrt{r}}{r}$$

$$or \sqrt{2r_y} = \left(\frac{\sqrt{r}}{r} \right)^2 + n^2 \leq 10$$

$$\Rightarrow n = \frac{1}{\sqrt{r}} = \frac{\sqrt{r}}{r}$$

$$\Rightarrow \frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{r} = \frac{1}{r} = \boxed{\frac{1}{r}}$$

$$x-y=1 \rightarrow y=x-1 \Rightarrow \frac{(3y-2+1)}{\sqrt{9+1}} = \frac{(6y-1-1+1)}{\sqrt{1}} \Rightarrow \frac{3}{\sqrt{10}} = \frac{3\sqrt{10}}{10}$$

$$a_{n+1} = -3 \Rightarrow y = -3n + b \xrightarrow{(1,4)} 1 = -3 + b \Rightarrow b = 4 \Rightarrow y = -3n + 4$$

$$\begin{cases} -3n+4=y \\ x-1=y \end{cases} \Rightarrow n=5, y=1 \Rightarrow \frac{1}{5} \begin{bmatrix} 3 & 1 \\ -1 & 0 \\ 1 & 1 \end{bmatrix} \Rightarrow 3y - 1 = 5x \Rightarrow \frac{1}{5} \begin{bmatrix} 3 & 1 \\ -1 & 0 \\ 1 & 1 \end{bmatrix} \Rightarrow \frac{1}{5} \begin{bmatrix} 3 & 1 \\ -1 & 0 \\ 1 & 1 \end{bmatrix}$$

$$m = \frac{b-a}{-\frac{1}{\mu} - (-\frac{1}{\mu})} = \frac{b-a}{\frac{1}{\mu}} = \sqrt{3} \Rightarrow b-a = \sqrt{3}$$

$$\text{مساحت: } \sqrt{(C-\frac{1}{\mu} - (-\frac{1}{\mu}))^2 + (b-a)^2}$$

$$= \sqrt{(\frac{1}{\mu})^2 + (\frac{\sqrt{3}}{\mu})^2} = \sqrt{\frac{1}{\mu^2} + \frac{3}{\mu^2}} = \frac{2}{\mu} = \frac{2}{\frac{1}{\sqrt{3}}} = 2\sqrt{3}$$

$$\Rightarrow \text{مساحت} = \frac{1}{2} \times \sqrt{3} = \frac{\sqrt{3}}{2}$$

میانگین هاس برای $\sqrt{1+16}$ است

$$m_H = \frac{f}{\mu} = \frac{f}{\mu} \text{ و } m_L = -\frac{f}{\mu} \text{ (مقدار است)}$$

$$0 < A < \infty \Rightarrow C \Rightarrow \frac{C}{\sqrt{1+\frac{f^2}{\mu^2}}} \Rightarrow \frac{f}{\mu} = 0 \Rightarrow \mu < \infty \Rightarrow C = \frac{f}{\mu}$$

$$y = \frac{f}{\mu} x$$

$$L: y = \frac{f}{\mu} x + \frac{f_0}{\mu}, L: y = -\frac{f}{\mu} x + b \xrightarrow{(1,4)} 1 = -\frac{f}{\mu} + b \Rightarrow b = \frac{f_0}{\mu}$$

$$\Rightarrow L: y = -\frac{f}{\mu} x - \frac{f_0}{\mu}$$

$$\Rightarrow \begin{cases} \frac{1}{\mu} x + \frac{f_0}{\mu} = y \\ -\frac{f}{\mu} x - \frac{f_0}{\mu} = y \end{cases} \Rightarrow y = -1, x = -1 \Rightarrow \sqrt{2}$$