

17, 5

$$\frac{m-k}{r} = -\frac{1}{r} \quad m-k = -c$$

$$a = \sqrt{c^2 + 9} = \sqrt{40} \quad a' = 40 \quad \checkmark$$

$$\frac{\frac{k}{r} - 1}{-1-c} = \frac{1-y}{x+1+x} \quad 2x+1 = 1 \quad x = \frac{c}{r}$$

$$\sqrt{\left(\frac{c}{r}+1\right)^2 + (y-1)^2} = \sqrt{\left(c+\frac{1}{r}\right)^2 + (y+r)^2}$$

$$\overline{AB} = \sqrt{17+9} = 5 \quad \checkmark$$

$$\overline{BC} = \sqrt{\frac{9}{r} + 4} = \frac{5}{r} \quad \checkmark$$

$$\frac{r}{r} + (y-1)^2 = \frac{17}{r} + (y+r)^2 \quad 12y = -12 \quad y = -1 \quad 2P = 2\left(\frac{1}{r} + 1\right) = 10 \quad \checkmark$$

$$\sqrt{c} = \frac{-rm}{m^2-1} \quad \sqrt{c} m^2 + rm - \sqrt{c} = 0 \quad \frac{r}{\sqrt{c}} = \frac{r\sqrt{c}}{c} \quad \checkmark$$

$$m = \frac{11-c}{v-c} = r \quad mm' = -1 \quad m' = -\frac{1}{r} \quad y-9 = -\frac{1}{r}(x-1)$$

$$\begin{cases} y = -\frac{1}{r}x + \frac{19}{r} \\ y = rx - c \end{cases} \quad \frac{19}{r}x = \frac{r}{r} \quad x = 19 \quad y = v$$

$$y-c = r(x-c) \quad y = rx - c$$

$$AH = \sqrt{17+4} = 2\sqrt{5} \quad \checkmark$$

$$\begin{cases} y+rx = v \\ ry-vx = -19 \end{cases} \quad \begin{cases} ry+rx = 14 \\ ry-vx = -19 \end{cases} \quad 11x = 33 \quad x = 3 \quad y = 1$$

$$BH = \frac{|14-9-19|}{\sqrt{17+9}} = \frac{14}{5} \quad \checkmark$$

$$\frac{a}{\frac{c}{r}} = \frac{y-a}{r} \quad ya = \frac{9}{r} - \frac{c}{r}a \quad \frac{rv}{r}a = \frac{9}{r} \quad a = \frac{r}{c} \quad \text{قطر } \frac{r\sqrt{2}}{c} \quad \checkmark$$

$$\frac{1}{a} = a \quad a' = 1 \quad a = \pm 1$$

$$a=1 \quad \begin{cases} y=x \\ y=x+1 \end{cases} \quad a=-1 \quad \begin{cases} y=-x+2 \\ y=-x+1 \end{cases}$$

نقطه (1, 2) را
رو به چپ کنار
از معادله ها
مصدق می کنید
پس $a \neq -1$

$$\frac{|1-0|}{\sqrt{1+1}} = \frac{1}{\sqrt{2}}$$

$$a' = 20 - \frac{1}{r} \quad a = \frac{v}{\sqrt{r}} \quad S = \frac{v}{\sqrt{r}} \times \frac{1}{\sqrt{r}} = \frac{v}{r} \quad \checkmark$$



$$\frac{|4 - 0 - 1|}{\sqrt{1+9}} = \frac{5}{\sqrt{10}} \checkmark$$

$$\begin{cases} x - 5y = 1 \\ y = -5x + 12 \end{cases} \Rightarrow \begin{cases} x = 5y \\ 5y = -5(5y) + 12 \end{cases} \Rightarrow \begin{cases} x = 5y \\ y = 0,9 \end{cases}$$

$$\alpha^2 = 17 - \frac{9}{10}$$

$$\alpha = \sqrt{\frac{161}{10}}$$

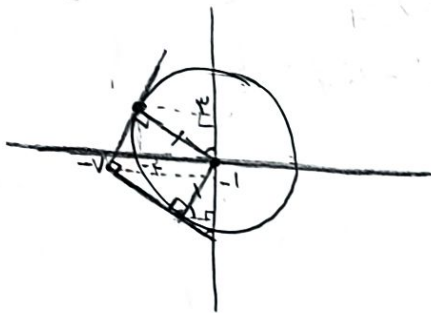
جواب صفحه بعد...

$$S = \frac{1}{2} \times \frac{5}{\sqrt{10}} \times \sqrt{\frac{161}{10}} = \frac{5\sqrt{161}}{20}$$

$$\frac{b-a}{-\frac{1}{5} + \frac{1}{4}} = \sqrt{5}$$

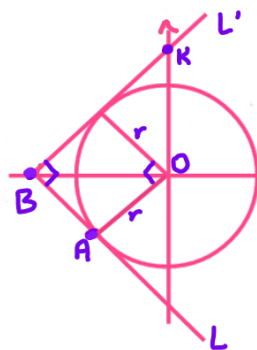
$$b-a = \frac{\sqrt{5}}{4} \Rightarrow \alpha = \sqrt{\left(-\frac{1}{5} + \frac{1}{4}\right)^2 + \left(\frac{b-a}{\frac{5}{4}}\right)^2} = \frac{2}{5}$$

$$\text{قطر} = \frac{2\sqrt{2}}{5} \checkmark$$



$$-Vx - 1 = V \checkmark$$

راه حل ؟!



$$m_{OA} = \frac{4}{3} \xrightarrow{\text{عمود بر}} m_L = -\frac{3}{4}$$

$$L: y + 4 = -\frac{3}{4}(x + 3) \Rightarrow y = -\frac{3}{4}x - \frac{25}{4}$$

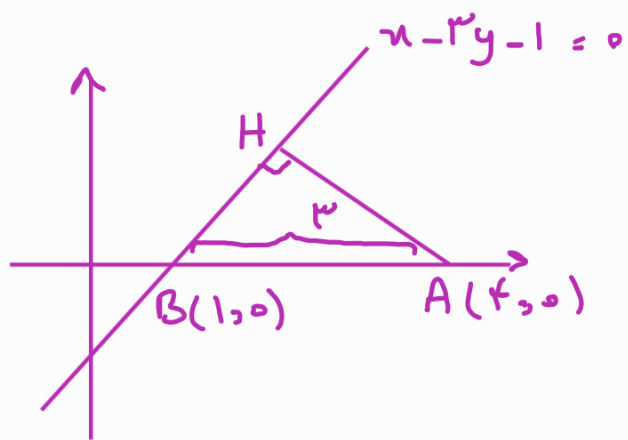
$$\xrightarrow{\text{L و L' عمود}} m_{L'} = \frac{4}{3} \Rightarrow L': y - \frac{4}{3}x - K = 0$$

$$OL' = OA = \sqrt{9+16} = 5 \text{ شعاع}$$

$$OL' = \frac{|1-K|}{\sqrt{1+\frac{16}{9}}} = 5 \Rightarrow K = \frac{25}{3} \Rightarrow L': y = \frac{4}{3}x + \frac{25}{3}$$

$$\text{مقاطع B محل} \Rightarrow (-7, -1) \xrightarrow{\text{حاصل ضرب}} \boxed{V}$$

مقاطع L و L'



$$|AH| = \frac{|4 - 0 - 1|}{\sqrt{1+1}} = \frac{r}{\sqrt{2}}$$

$$\frac{9}{10} (\cancel{AH})^r + (BH)^r = (\cancel{AB})^r \rightarrow BH = \frac{9}{\sqrt{10}}$$

$$S_{\Delta} = \frac{9}{\sqrt{10}} \times \frac{r}{\sqrt{10}} \times \frac{1}{r} = \frac{rV}{r_0} = 1,35$$