

W = ...

...

20

...

$$y = -\frac{1}{p}x + b \quad \begin{matrix} \xrightarrow{x=1} & -1+b=m \\ \xrightarrow{x=-1} & 1+b=k \end{matrix}$$

$$B9A \Rightarrow \sqrt{(k-m)^2 + 1} = \sqrt{(1+b+p-b)^2 + 1} = \sqrt{p^2 + 1}$$

$$S = \sqrt{p^2 + 1} = p$$

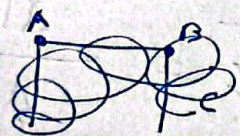
$$M_{AB} = \frac{k-1}{-1-p} = \frac{2}{-1-p} \rightarrow |AB| = \sqrt{p^2 + 1}$$

$$\frac{y + 1 - y}{-1 - x - x} = \frac{1}{-1-2x}$$

$$|BC| = \sqrt{\left(\frac{p-1}{2}\right)^2 + \left(\frac{1-p}{2}\right)^2} = \frac{\sqrt{p^2 + 1}}{2}$$

$$x = \frac{p}{2}$$

$$y = \frac{1-p}{2}$$



...

$$= p \left(\frac{1}{2} + \frac{1}{2} \right) = p$$

$$\frac{-pm}{(m^2-1)} = \tan 45^\circ = \sqrt{p} \rightarrow -pm = \sqrt{p}(m^2-1)$$

$$-pm = \sqrt{p}m^2 - \sqrt{p} \rightarrow \sqrt{p}m^2 + pm - \sqrt{p} = 0$$

$$m^2 + \frac{p}{\sqrt{p}}m - 1 = 0 \rightarrow m = \frac{-\frac{p}{\sqrt{p}} \pm \sqrt{\frac{p^2}{p} + 4}}{2}$$

$$m = \frac{-\frac{p}{\sqrt{p}} + \sqrt{\frac{p^2}{p} + 4}}{2}$$

$$\begin{aligned} & \frac{1}{2} \left(\frac{1}{\sqrt{p}} + \frac{1}{\sqrt{p}} \right) = \frac{1}{\sqrt{p}} \\ & \frac{1}{2} \left(\frac{1}{\sqrt{p}} - \frac{1}{\sqrt{p}} \right) = 0 \end{aligned}$$

$$\begin{matrix} \cdot A \\ \cdot B \end{matrix} \sim BC \Rightarrow \frac{11-12}{\sqrt{1-12}} = 1 \rightarrow 12-12 = 0 \quad (5)$$

$$AH \rightarrow A(199) \text{ no 6}$$

$$\Rightarrow \frac{12(1)(9)2-12}{\sqrt{2}} =$$

$$\frac{10}{\sqrt{2}} = 1\sqrt{2}$$

$$BC \rightarrow 12y - \sqrt{2}x + 19x \rightarrow 12y - \sqrt{2}x + 19 = 0$$

$$AB \rightarrow y + 12x - \sqrt{2} \rightarrow -12x + 12 = 0$$

$$-11x + 12 = 0 \rightarrow x = \frac{12}{11} \rightarrow y = 12(1) = 12$$

$$AC = 12y - \sqrt{2}x - 12 = 0$$

$$(12, 1) \rightarrow \frac{12(12) + 12(1) - 12}{\sqrt{12+12}} = \frac{12}{\sqrt{24}}$$

$$y = ax + b \quad x = \frac{12}{\sqrt{2}}$$

$$-\frac{12}{\sqrt{2}}a = 12 \rightarrow a = -1 \rightarrow y = -12x - 6$$

$$y = x \rightarrow x = -12x - 6 \rightarrow 13x = -6 \rightarrow x = -\frac{6}{13} \rightarrow y = -\frac{6}{13}$$



$$\sqrt{\frac{12}{2}} = x = \sqrt{\frac{12}{2}} = \frac{12}{\sqrt{2}}$$

$$y = ax + 1$$

$$12y = x + a - 1 \rightarrow \frac{1}{a} = a \rightarrow a^2 = 1 \rightarrow a = 1$$

$$\rightarrow y = x + 1 \rightarrow y = x$$

$$\frac{12+0}{12+12} = \frac{12}{24} = \frac{1}{2}$$

$$x^2 = \frac{12}{2} \rightarrow x = \sqrt{\frac{12}{2}}$$

$$x = \sqrt{\frac{12}{2}}$$

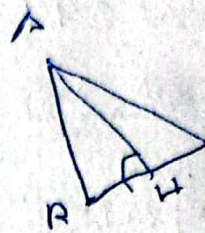
$$x = \sqrt{\frac{12}{2}}$$

$$x = \sqrt{\frac{12}{2}}$$

$$\frac{12}{2} = 6$$

$$A H = \frac{|1(4) + (-3)(0) - 1|}{\sqrt{1+9}} = \frac{4}{\sqrt{10}} = \frac{2\sqrt{10}}{5}$$

$$S = \frac{\frac{3\sqrt{10}}{10} \times \frac{9\sqrt{10}}{10}}{\frac{1}{2}} = \frac{27}{2} = 13.5$$

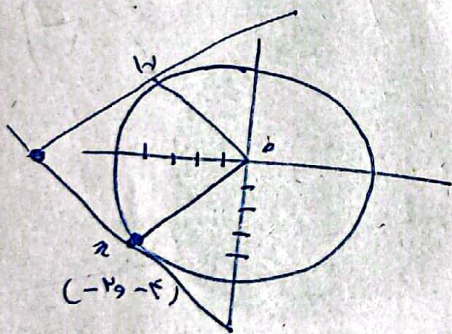


$$B C \Rightarrow 9 - \frac{9}{10} = \frac{81}{10} = B C^2 \rightarrow B C = \frac{9}{\sqrt{10}}$$

$$\frac{a-b}{-\frac{1}{9} - (-\frac{1}{9})} = \sqrt{10} \Rightarrow a-b = \frac{\sqrt{10}}{9}$$

$$\sqrt{(a-b)^2 + (-\frac{1}{9})^2} = \sqrt{\frac{10}{81} + \frac{1}{81}} = \frac{1}{9} = \frac{1}{2}$$

$$\Rightarrow \sqrt{10} \times \frac{1}{9} = \frac{\sqrt{10}}{9}$$



$$O H \rightarrow \sqrt{(-2)^2 + (-4)^2} = \sqrt{20} = 2\sqrt{5}$$

$$O H = O H' = \sqrt{5}$$

$$O H \rightarrow \frac{1}{2} \times \frac{1}{2} = \frac{1}{4} \Rightarrow \frac{1}{4} = \frac{1}{4} \Rightarrow \frac{1}{4} = \frac{1}{4} \Rightarrow \frac{1}{4} = \frac{1}{4}$$