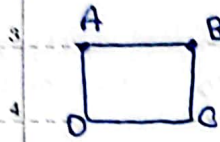


Subject.

Day. Month. Year.

$$\frac{\Delta y}{\Delta x} = -\frac{1}{p} \rightarrow \frac{k-m}{-p-k} = -\frac{1}{p} \rightarrow k-m=3 \quad -\frac{1}{p}x+b=y \rightarrow 1+b=k \quad (1)$$

$$-\frac{1}{p}x+b=y \rightarrow -2+b=m$$



$$\left. \begin{array}{l} b=k-1 \\ b=m+2 \end{array} \right\} \rightarrow k-1=m+2 \rightarrow k-m=3$$

$$\sqrt{(k-m)^2 + (-2-k)^2} = \sqrt{(9) + (16)} = \sqrt{25}$$

$$S_{\square} = \sqrt{25} \times \sqrt{25} = 25$$

(2)

حالت اول $-2A+2C=-2B+2D \rightarrow x=3, y=-1$

$$4A+4C=4B+4D$$

$$\sqrt{\left(\frac{10}{p}-3\right)^2 + (-1-1)^2} = 2\sqrt{5}$$

$$P_{\square} = 5 + 5 + 5 = 15$$

C باید حتماً بلنجه چون در غیر اینصورت

جواب نمی ده

$$\sqrt{\left(-\frac{5}{p}-\frac{10}{p}\right)^2 + (2-(-1))^2} = 5$$

$$\tan \alpha \rightarrow \tan 45^\circ = \sqrt{10} \rightarrow \frac{pm}{m^2-1} = \sqrt{10} \rightarrow \sqrt{10}m^2 - \sqrt{10} = -pm \quad (3)$$

$$pm\alpha + (m^2-1)y = 3 \rightarrow y = \frac{3-pm\alpha}{m^2-1} \rightarrow \alpha = \frac{pm}{m^2-1}$$

$$\sqrt{10}m^2 + pm - \sqrt{10} = 0$$

$$m^2 + pm - 10 = 0 \rightarrow m = 1, -10 \rightarrow \frac{1}{\sqrt{10}}, -\frac{10}{\sqrt{10}}, \frac{\sqrt{10}}{10}, -\frac{10\sqrt{10}}{10}$$

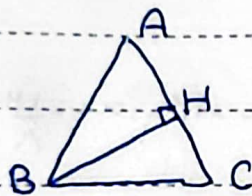
$$\frac{\sqrt{10}}{10} - (-\sqrt{10}) = \frac{11\sqrt{10}}{10}$$

Subject.

Day. Month. Year.

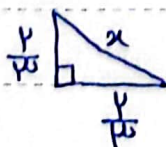
$$\frac{\Delta y}{\Delta x} = \frac{10-11}{10-9} = \frac{-1}{-1} = 1, \quad y - 11 = 1(x - 10) \rightarrow y - 11 = x - 10 \rightarrow y = x + 1 \quad (4)$$

$$AH = \frac{|1 \cdot 10 + 9 + 10|}{\sqrt{1+1}} = \frac{1 \cdot \sqrt{2}}{\sqrt{2}} = \boxed{\sqrt{2}}$$



$$\begin{aligned} y + 10x &= 10 \\ 10y - 9x &= -19 \end{aligned} \rightarrow \begin{cases} y + 10x = 10 \\ 10y - 9x = -19 \end{cases} \rightarrow \begin{aligned} &11x = 100 \\ &x = \frac{100}{11} \\ &y = 1 \rightarrow B \end{aligned} \quad (5)$$

$$BH = \frac{|10 \cdot 1 - 9 \cdot 10|}{\sqrt{10^2 + 9^2}} = \frac{10}{\sqrt{181}} = \boxed{\frac{10}{\sqrt{181}}}$$



$$\begin{aligned} \frac{\Delta y}{\Delta x} &\Rightarrow ax - by = y \rightarrow -\frac{10}{9}ax - by = y \rightarrow -\frac{10}{9}ax = y + by \rightarrow a = -\frac{9}{10} \rightarrow -\frac{9}{10}ax - by = y \\ &\leftarrow a = y = -\frac{9}{10} \leftarrow \frac{10}{9}y = -\frac{9}{10} \leftarrow -\frac{9}{10}y - by = y \downarrow a = y \end{aligned}$$

$$\rightarrow x = \sqrt{\frac{9}{9} + \frac{9}{9}} = \sqrt{\frac{18}{9}} = \boxed{\frac{\sqrt{18}}{3}}$$

Subject.....

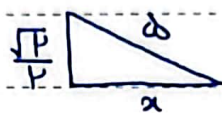
Day..... Month..... Year.....

$$ay - x = a - 1 \quad y - ax = 1 \rightarrow m = m' \quad (7)$$

$$a = 1 \rightarrow y - x = \dots \quad y - x = 1$$

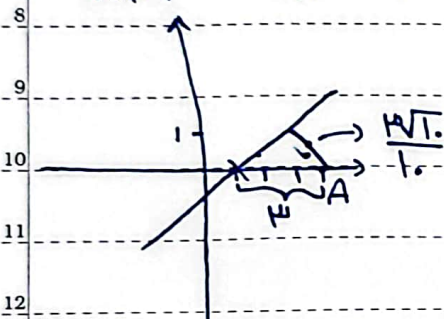
$$db \times \text{width} = S_{\square} \rightarrow S_{\square} = \sqrt{p} \times \frac{v}{\sqrt{p}} = \frac{v}{\sqrt{p}} = \boxed{\frac{10}{\sqrt{p}}}$$

$$\frac{1 \cdot 1 - 0 \cdot 1}{\sqrt{1+1}} = \frac{\sqrt{p}}{p} = \text{width}$$



$$\frac{x}{\frac{p}{p}} + \alpha^2 = p \delta \rightarrow \alpha^2 = \frac{p \delta}{p} \rightarrow \alpha = \frac{v}{\sqrt{p}}$$

$$\frac{|1 \cdot 1 - 0 \cdot 1|}{\sqrt{1+1}} = \frac{10}{\sqrt{1}} = \frac{10 \sqrt{1}}{1}$$

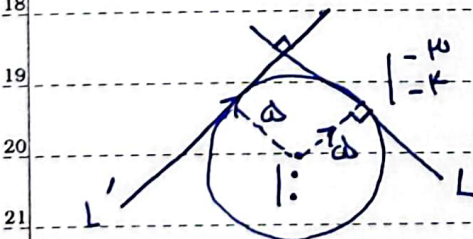


$$\rightarrow 9 - \frac{9}{1} = \frac{11}{1} \Rightarrow \frac{9}{\sqrt{1}} \rightarrow S_{\Delta} = \frac{9}{\sqrt{1}} \times \frac{10}{\sqrt{1}} \times \frac{1}{2} = \boxed{45}$$

$$\frac{\Delta y}{\Delta x} = \sqrt{p} = \frac{a-b}{-\frac{1}{p} + \frac{1}{p}} \Rightarrow \frac{a-b}{-\frac{1}{q}} = \sqrt{p} \rightarrow a-b = \frac{\sqrt{p}}{q} \quad (9)$$

$$\sqrt{(a-b)^2 + (-\frac{1}{p} + \frac{1}{p})^2} = \sqrt{\frac{p}{p^2 q^2}} = \frac{p}{q} = \frac{1}{p} \rightarrow \frac{1}{q} \quad \frac{1}{p}$$

$$\alpha = \frac{1}{q} + \frac{1}{q} = \frac{p}{q} \rightarrow \boxed{\frac{\sqrt{p}}{p} = \alpha}$$



$$\frac{\Delta y}{\Delta x} = \frac{p}{w} \rightarrow \sqrt{(9) + (19)} = \Delta \quad (10)$$

$$\frac{p}{w} \alpha + b = y \rightarrow \frac{p}{w} y - p \alpha - w b = \dots$$

$$\frac{|-wb|}{\sqrt{9+19}} = \frac{1-wb}{\sqrt{p}} = \Delta \rightarrow |-wb| = p \Delta \rightarrow wb = p \Delta \rightarrow b = \frac{p \Delta}{w}$$

$$\frac{p}{w} \alpha + \frac{p \Delta}{w} = y \rightarrow L' \quad L = -\frac{p}{p} \alpha + b = y \rightarrow \frac{9}{p} + b = -1 \rightarrow b = -\frac{p}{p}$$

$$\frac{p}{p} \alpha + \frac{p \Delta}{p} = \frac{9}{p} \alpha - \frac{p}{p} \rightarrow \boxed{\alpha = 1} \quad \boxed{y = 1} \rightarrow \underline{\underline{v}}$$