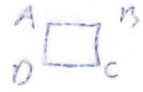


$y = ax + b \rightarrow k = 1 + b$ و $m = -1 + b$

طول = $\sqrt{(ax)^2 + (ay)^2} \Rightarrow \sqrt{(-1-b)^2 + (k-m)^2}$

مساحت = $(\sqrt{45})^2 = 45$

$\Rightarrow \sqrt{(1+9) + \frac{(1+b-b+2)^2}{4}} = \sqrt{4+9} = \sqrt{45} \rightarrow$



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طول $AB = \frac{طول}{CO} \Rightarrow \sqrt{(1)^2 + (1)^2} = \sqrt{2} \Rightarrow \sqrt{(1+1)^2 + (-1-1-1)^2} = \sqrt{4+(1-1)^2}$

$\rightarrow 10 = 9 + 1 + 1 + 1 \rightarrow 12 + 1 - 10 = 0 \Rightarrow (12+0)(12-1) \rightarrow x = \frac{0}{12} \Rightarrow y = 12$ D $(\frac{0}{12}, 12)$

$\frac{طول}{BC} = \sqrt{(\frac{12-0}{12})^2 + (1+1)^2} = \sqrt{\frac{1}{4} + 4} = \sqrt{\frac{17}{4}} = \frac{\sqrt{17}}{2}$

$\frac{مساحت}{AB \times BC} = 12 \left(\frac{طول}{AB} + \frac{طول}{BC} \right) = 12 \left(\frac{0}{12} + \frac{1}{2} \right) = 6$

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$\frac{y}{x} = \tan \theta = \sqrt{3} \Rightarrow \frac{-1m}{m^2-1} = \sqrt{3} \Rightarrow \sqrt{3}m^2 - \sqrt{3} + 1m = 0 \rightarrow \Delta = 1 - 4(-3) = 14$

$\rightarrow m = \frac{-1 \pm \sqrt{14}}{2\sqrt{3}} \rightarrow \frac{4}{\sqrt{3}} = \frac{-1}{\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{3}} = \frac{-1\sqrt{3}}{\sqrt{3}} = -\sqrt{3}$

$\frac{1}{\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

مساحت = $\frac{\sqrt{3}}{3} + \sqrt{3} = \frac{\sqrt{3} + 3\sqrt{3}}{3} = \frac{4\sqrt{3}}{3}$

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$y = ax + b \rightarrow \begin{cases} 3 = 1a + b \\ 11 = 4a + b \end{cases} \Rightarrow \begin{cases} a = 2, b = -1 \end{cases} \Rightarrow y = 2x - 1$

ارتفاع عمود = $\frac{|9 - 1 + 3|}{\sqrt{5}}$

ارتفاع = $\frac{|9 - 1 + 3|}{\sqrt{5}}$

$= \frac{11}{\sqrt{5}} \times \frac{\sqrt{5}}{\sqrt{5}} = \frac{11\sqrt{5}}{5} = 2\sqrt{5}$

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مساحت ABC (مساحت مثلث) $\Rightarrow \begin{cases} y + 2x = 11 \\ 2y - 1x = -19 \end{cases} \Rightarrow \begin{cases} 11x = 33 \Rightarrow x = 3 \\ y = 1 \end{cases}$

مساحت AC = $\left| \frac{9 - 11}{\sqrt{4+9}} \right| = \left| \frac{-2}{5} \right| = \frac{2}{5}$

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یہی طول ضلع $\frac{2}{3}$ است سے مقدار: $\frac{2}{3}\sqrt{2}$

$$\cos 45^\circ = \frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{r} = \frac{1r}{r} = \frac{1}{r}$$

کمال نوشتہ شود

$$\sqrt{\text{محل}} = \sqrt{2} = \frac{1}{9} \sqrt{2} = \boxed{\frac{1}{3} \sqrt{2}} = \frac{\sqrt{2}}{3}$$

$$\begin{cases} r_y = -r_x + 10 \\ r_y = 5x \end{cases} \Rightarrow \begin{cases} 11y = -9x + 10 \\ -11y = -14x \end{cases} \Rightarrow 10 = 5x \Rightarrow x = 2 \Rightarrow \begin{cases} x = 2 \\ y = 10 \end{cases} \Rightarrow xy = 20$$

$$-\sqrt{x-1} = V$$