۱۳٫۷۵

نام و نام خانوادگی ....هانا اسرپار.... پاسخنامه تشریحی تکلیف شماره .... کلاس ....

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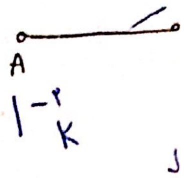

$d = -\frac{1}{2}x + b$

$A\begin{vmatrix}-2\\ k\end{vmatrix}$ $B\begin{vmatrix}4\\ m\end{vmatrix} \to \frac{k-m}{+6} = +\frac{1}{2}$

$6 = 2k - 2m \to k - m = 3$

$\sqrt{36+9} \to 3\sqrt{5} \to \sqrt{45} \to S = 45$

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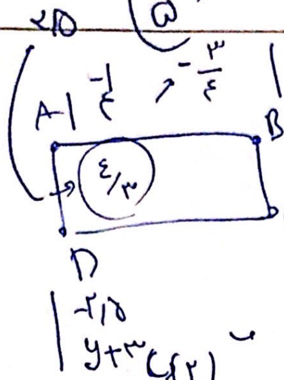
۴۵ ۵

$A\begin{vmatrix}-1\\ 4\end{vmatrix}$ $-\frac{3}{4}$ $\begin{vmatrix}3\\ 1\end{vmatrix}$



$x_A + x_C = x_B + x_D$

$\begin{vmatrix}1/5\\ y(-1)\end{vmatrix}$ $-1 + x = 3 + (-1-x)$

$-1 + x = 2 - x$

$\to 2x = 3 \to x = \frac{3}{2}$

$\begin{vmatrix}-2/5\\ y+3\end{vmatrix} C(2)$

$\frac{y-1}{-0/5} = \frac{4}{3}$

$\frac{y-1}{1} = \frac{4}{3} = -2 \to y = -1$

$y_A + y_C = y_B + y_D$

$4 + y = 1 + y + 3$

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۱۵ محیط

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$m = \pm 3$

$\tan\frac{\pi}{3} = \sqrt{3}$

$\tan 60^\circ \to$ شیب $\to \sqrt{3}$

اختلاف $= 6$

$\sqrt{3}m^2 + 2m - \sqrt{3} = 0$

$\to \frac{-2m}{(m^2-1)} = \frac{\sqrt{3}}{4}$

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$\frac{\sqrt{5}}{|a|} = \frac{k}{\sqrt{3}}$

$\frac{4m^2}{m^4 - 2m^2 + 1} = 3$

$3m^4 - 6m^2 + 3 = 4m^2$

$\to m^2\sqrt{3} - \sqrt{3} = -4m$

$\to m^2\sqrt{3} + 4m - \sqrt{3} = 0$

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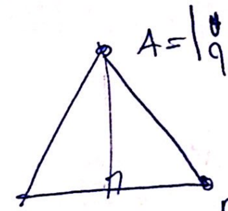

$A = \begin{vmatrix}0\\ 9\end{vmatrix}$

$B = \begin{vmatrix}3\\ 3\end{vmatrix} \to 2x - 3 = y$

$C = \begin{vmatrix}7\\ 11\end{vmatrix}$

$\to \frac{11 - 3}{4} = 2$

$2\sqrt{5} = \frac{|-2 - 9|}{\sqrt{5}}$

$\to 2x - 3 - y$

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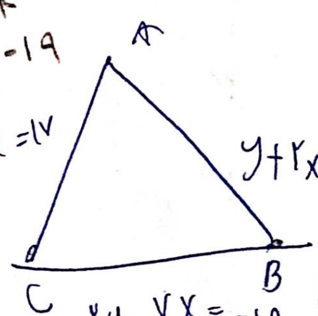
$AB = y + 2x = 7 \xrightarrow{\times 2} 2y + 4x = 14$

$BC = 2y - 7x = -19 \quad 2y - 7x = -19$

$11x = 33$

$\to x = 3$

$4y - 3x = 17$



$BH = ?$

$y + 2x = 7$

$\to y + 2x - 7 = 2y$

$2y - 7x = -19$

$\begin{pmatrix}3\\ 1\end{pmatrix} \to \frac{|4 - 9 - 17|}{5} = \frac{22}{5}$

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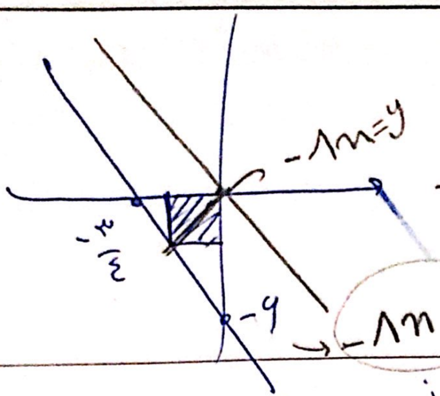


$-۸a-۶=a \rightarrow |a| = \frac{۲}{۳}$

$\frac{۱}{\text{ضعف مربع}} = \frac{۲\sqrt{۲}}{۳}$

$\rightarrow d = \frac{|-۶|}{\sqrt{۶۵}} = \frac{۶}{\sqrt{۶۵}} \rightarrow \frac{۶\sqrt{۶۵}}{۶۵}$ ۶

$-۸x=y$

$-۸x-۶$

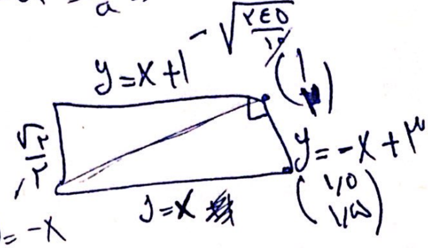
۰/۵

$y - ax = ۱ \rightarrow \text{شیب} = a = \frac{۱}{a} \rightarrow a^۲ = ۱ \rightarrow a = \pm ۱ \rightarrow a = ۱$

$ay - x = a - ۱$

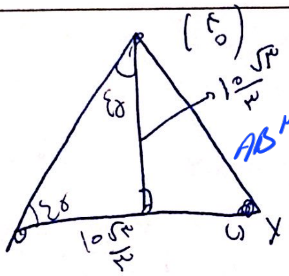
$\frac{۱}{a}$

$\text{مقطع} = ۵$



$\frac{۷}{\sqrt{۲}} \times \frac{۱}{\sqrt{۲}} = \frac{۷}{۲} = ۳/۵$ ۷

مساحت

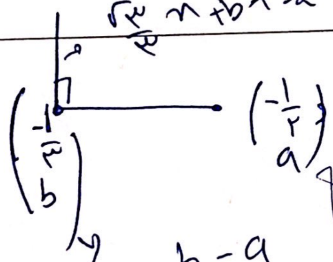


$AB^۲ = AH^۲ + BH^۲ \rightarrow ۳^۲ = \left[\frac{۳}{\sqrt{۱۰}}\right]^۲ + BH^۲ \rightarrow BH = \frac{۹}{\sqrt{۱۰}}$ ۸

$x - ۳y = ۱$

$S = \frac{۳}{\sqrt{۱۰}} \times \frac{۹}{\sqrt{۱۰}} \times \frac{۱}{۲} = \frac{۲۷}{۲۰}$

$\frac{\sqrt{۳}}{۲}x + b + \frac{\sqrt{۳}}{a} = y$



$\text{اندازه ضلع} \Leftrightarrow \sqrt{\frac{۱}{۳۶} + \frac{۳}{۳۶}} \rightarrow \frac{۲}{۶} = \frac{۱}{۳}$

$\rightarrow S = \frac{۱}{۹}$

$\text{قطر} = \frac{\sqrt{۲}}{۳}$ ۹

$\frac{b-a}{-\frac{۱}{۳}+\frac{۱}{۲}} = ۶(b-a) = \sqrt{۳}$

$b - a = \frac{\sqrt{۳}}{۶}$

$\rightarrow \frac{\text{قطر} \times \text{قطر}}{۲} = \frac{۱}{۹}$

$(\text{قطر})^۲ = \frac{۲}{۹}$

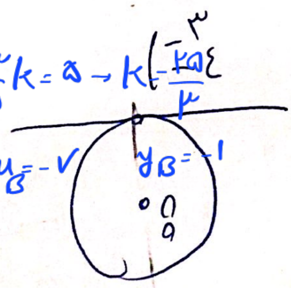
$\text{حاصل ضرب آن‌ها} \rightarrow -۷$

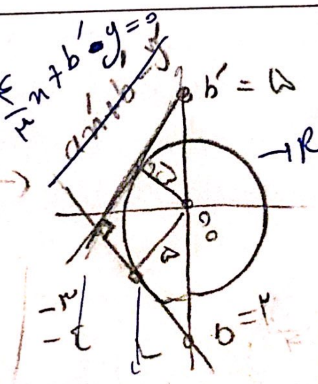
$L': y = \frac{۴}{۳}x + k$

$OA = ۵ \quad OL' = \frac{۳}{۵}k = ۵ \rightarrow k = \frac{-۲۵}{۳}$

$\frac{۲۵}{۱۲}x = \frac{-۱۷۵}{۱۲} \rightarrow x_B = -۷ \quad y_B = -۱$

$-۷ \times -۱ = ۷$





$\frac{۴}{۳}x + b' = y$

$b' = ۵$

$R = ۵$

$\rightarrow \frac{|b'|}{\frac{۵}{۳}} = ۵ \rightarrow b' = \frac{۲۵}{۳}$ ۱۰

$\begin{cases} \frac{۴}{۳}x + \frac{۲۵}{۳} = y \\ -\frac{۳}{۴}x - \frac{۲۵}{۴} = y \end{cases} \rightarrow x = -۷ \quad y = ۱$

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