

نام و نام خانوادگی: فریاد بیبرانی پاسخنامه تشریحی تکلیف شماره ۱۶... کلاس: پانزدهم دبیرستان.....

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r. 15

$$AB \rightarrow y = \frac{1}{r}x + \frac{r}{r} \quad AC \rightarrow y = 2x - 1 \quad BC \rightarrow y = -2x + 1$$

$$\rightarrow A = \begin{vmatrix} 1 \\ 1 \end{vmatrix}, B = \begin{vmatrix} 1 \\ -1 \end{vmatrix}, C = \begin{vmatrix} 1 \\ 1 \end{vmatrix} \rightarrow M = \begin{vmatrix} 1 \\ \frac{1}{r} \\ \frac{r}{r} \end{vmatrix}$$

$$AH \rightarrow \frac{|1+1-r|}{\sqrt{r}} = \sqrt{r} \quad , \quad AM = \sqrt{\left(\frac{1}{r}\right)^2 + \left(\frac{1}{r}\right)^2}, \quad \frac{\sqrt{2}}{r} = \frac{\Delta \sqrt{r}}{r}$$

$$\rightarrow \frac{AM}{AH} = \frac{\frac{\Delta \sqrt{r}}{r}}{\frac{\Delta \sqrt{r}}{r}} = \frac{\Delta}{r} \checkmark$$

$$m = -\frac{1}{r}n \rightarrow y = -\frac{1}{r}n + b \rightarrow 2y + n = 2b$$

$$d = \frac{|-rb|}{\sqrt{2}} = r\sqrt{2} \rightarrow b = \Delta \sqrt{2} - \Delta$$

$$\begin{cases} y = -\frac{1}{r}n + \Delta \xrightarrow{y''=n=1} \Delta \cdot \sqrt{2} = \Delta \sqrt{2} \checkmark \\ y = -\frac{1}{r}n - \Delta \xrightarrow{y''=n=-1} \Delta \cdot \sqrt{2} \end{cases}$$

$$y = (1-m)x + r$$

$$y = \frac{f}{m}x + r$$



$$\rightarrow H = r \rightarrow \frac{0}{r} = \frac{rx}{r} \rightarrow \frac{rx}{r} = \frac{\Delta}{r} \rightarrow 0 = \frac{f}{m}x + r \rightarrow x = -\frac{r}{f}$$

$$\begin{cases} \left| \frac{r}{m+1} - \frac{m}{r} \right| = \frac{\Delta}{r} \rightarrow \frac{f}{m+1} - m = \Delta \rightarrow f - m^2 - m = \Delta m + \Delta \rightarrow f - m^2 - m = \Delta(m+1) \rightarrow f - m^2 - m = \Delta(m+1) \\ \left| \frac{r}{m+1} + \frac{m}{r} \right| = \frac{\Delta}{r} \rightarrow \frac{f}{m+1} + m = \Delta \rightarrow f + m^2 + m = \Delta m + \Delta \rightarrow f + m^2 + m = \Delta(m+1) \end{cases}$$

$$y = 2m - 2 \rightarrow \begin{vmatrix} 0 \\ -2 \end{vmatrix} \xrightarrow{\text{مقرنة نسبت}} \begin{vmatrix} f \\ -1 \end{vmatrix} \rightarrow m = 2$$

$$\rightarrow y = 2x - 9 \checkmark$$

$$y = x + \Delta \quad , \quad A(1, 2) \xrightarrow{\text{نقطه}} y = -x + r$$

$$x + \Delta = -x + r \rightarrow 2x = r - \Delta \rightarrow x = \frac{r - \Delta}{2}, y = \frac{r + \Delta}{2} \rightarrow \begin{vmatrix} -1 \\ \frac{1}{2} \end{vmatrix}$$

$$\begin{vmatrix} 1 \\ 2 \end{vmatrix} \xrightarrow{\text{مقرنة نسبت}} \begin{vmatrix} -1 \\ \frac{1}{2} \end{vmatrix} \rightarrow 2b - a = 12 \checkmark$$

$$y = \frac{f}{m}u + r \xrightarrow{y=0} u = -\frac{m}{r}$$

$$y = (1-m)u + r \xrightarrow{y=0} u = \frac{r}{m-1}$$

ارتفاع =  $r$  ^  
(حدود درستی نوشتار)

$$\Delta \text{ فاصله} = \left| \frac{r}{m-1} - \left(-\frac{m}{r}\right) \right|$$

$$S_{\Delta} = \left| \frac{m^2 - m + f}{r(m-1)} \right| \times r \times \frac{1}{r} = \frac{\Delta}{r} \rightarrow \begin{cases} \text{مقادیر اولی: } m = 3 \\ \text{مقادیر دوم: } \Delta > 0 \rightarrow \frac{C}{u} = -1 \end{cases}$$

حاصل ضرب مقادیر  $m \leftarrow (-3)$