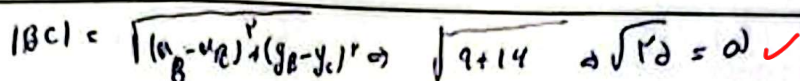


②



⑤

2

②

1

10

7

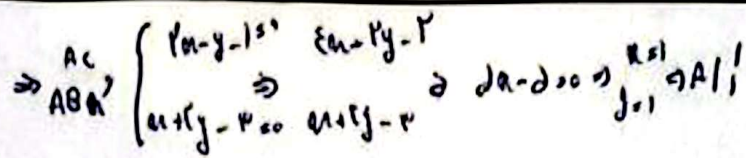
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5

①

△

$A < 0$ ✓



BC: $\begin{cases} m_1 y - 1 = 0 \\ m_2 y - 1 = 0 \end{cases} \Rightarrow m_1 = m_2$

$\Rightarrow$ فاصله $\Rightarrow \frac{|a_1x_1 + b_1y_1 + c_1|}{\sqrt{a_1^2 + b_1^2}} \Rightarrow \frac{|0 + 0 + c|}{\sqrt{0}} \Rightarrow \frac{|c|}{\sqrt{0}} = \sqrt{40} \Rightarrow |c| = \sqrt{40} \Rightarrow c = \pm \sqrt{40}$
 برای معادله‌ی فاصله برقرار باشد A و B با هم فاصله مختصات نیاز نیست که هر دو C را قرار دهیم پس جواب ما می‌شود
 $x_1 + 2y_1 + 10 = 0 \Rightarrow x_1 = 0 \Rightarrow y_1 = -5$
 $y = 0 \Rightarrow x = -10 \Rightarrow \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2} \Rightarrow \sqrt{100 + 25} \Rightarrow \sqrt{125}$ ✓

$\Rightarrow \text{let } u \Rightarrow u \in \mathbb{Q} \Rightarrow y \in \mathbb{R} \Rightarrow C(\log r) \Rightarrow h \quad / \quad d(u) = -\{u \in \mathbb{R} \mid u_1 \leq -\frac{m}{r} \text{ (also } \leq (1-m)/r \text{)} \Rightarrow \frac{m}{r} \leq \frac{1}{r}$
 $\Rightarrow \text{let } v = |u_1 - m/r| \Rightarrow |-\frac{m}{r} - (-\frac{v}{1-m})| = |-\frac{m}{r} + \frac{v}{1-m}| \Rightarrow \delta = \frac{1}{r} \text{ (also } \delta = \frac{m}{r} + \frac{v}{1-m} \leq \frac{d}{r}$
 $-\frac{m}{r} + \frac{v}{1-m} = \frac{d}{r} \Rightarrow (1-m)(-m) + \delta \leq d(1-m) \Rightarrow -m + m^2 + \delta \leq d - dm \Rightarrow m^2 + (1-d)m \leq 0 \Rightarrow m \leq -1 + \sqrt{d}$
 $-\frac{m}{r} + \frac{v}{1-m} \leq -\frac{d}{r} \Rightarrow (1-m)(-m) + \delta \leq -d(1-m) \Rightarrow (m-1)^2 \leq 0 \Rightarrow m \leq 1 \Rightarrow (1 + \sqrt{d})$

$$y_{n+1} = y \Rightarrow n = 1 \Rightarrow y = -1 \Rightarrow a + b = -1 \Rightarrow b = -9$$

$\Rightarrow p_{u-9} = y$ ✓

$$-1 = \frac{M_A + M'_A}{Y} \Rightarrow -1 = \frac{1 + M'_A}{Y} \Rightarrow 11' = \frac{1}{1 - K}$$

$$A'(a9b) \Rightarrow A'(-94) \Rightarrow 16-a, 14-(c) \Rightarrow 10$$

$$M_{\text{مستقر}} = \left(\left(\frac{a}{r} + \frac{a}{r^2} \right), \left(\frac{v}{r} - \frac{c}{r} \right) \right) \Rightarrow M = \left(\frac{12}{2}, \frac{5}{2} \right) \Rightarrow |AM| = \sqrt{\left(\frac{12}{2} - 1 \right)^2 + \left(\frac{5}{2} - 1 \right)^2} = \frac{\sqrt{25}}{2} = \frac{5}{2}$$