

17 سوال

لازمیہ

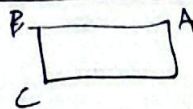
آئین اسلامی

$$-\frac{1}{r}x \rightarrow (r, -r+x) \quad m-k=r$$

-1

$$\text{نامہ} = \sqrt{\Delta y^2 + \Delta x^2} \Rightarrow \sqrt{9 + (r - (-r))^2} = \sqrt{9 + 4r^2} = \sqrt{4r^2} \times \sqrt{4} = 4r$$

$$AB \xrightarrow{m} \frac{\Delta y}{\Delta x} = \frac{r}{-r}$$



-2

$$\frac{r}{-1-rx} = -\frac{r}{r} \rightarrow -1-rx = -r \rightarrow -rx = -r \rightarrow x = \frac{r}{r}$$

$$\left(\frac{r}{r}, y\right) \xrightarrow{m=\frac{r}{r}} \frac{y-1}{-\frac{r}{r}} = \frac{r}{r} \rightarrow y-1 = -r \rightarrow y = -1$$

$$\sqrt{17+9} = 4 \quad \sqrt{\frac{9}{r} + r} \rightarrow \frac{4}{r}$$

$$10+4 = 14$$

$$\tan \theta \rightarrow \frac{\Delta y}{\Delta x} = \sqrt{r}$$

$$\frac{-rm}{mr-1} = \sqrt{r} \rightarrow \sqrt{r}mr - \sqrt{r} = -rm$$

-3

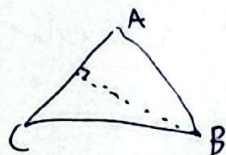
$$\sqrt{r}mr + rm - \sqrt{r} \quad \frac{-r \pm r}{r\sqrt{r}} \quad \frac{1}{\sqrt{r}} \quad \frac{-r}{\sqrt{r}}$$

$$\Delta m \leq \frac{1}{\sqrt{r}} - \frac{r}{\sqrt{r}} = \frac{1-r}{\sqrt{r}} = \frac{r}{\sqrt{r}} \times \frac{\sqrt{r}}{\sqrt{r}} = \frac{r\sqrt{r}}{r}$$

$$m_{BC} \rightarrow \frac{\Delta y}{\Delta x} = \frac{11-r}{r-r} = \frac{1}{r} = 1 \rightarrow -\frac{1}{r}x \quad (1, 9) \rightarrow -\frac{1}{r}x + \frac{19}{r}$$

-4

$$rx - r = -\frac{1}{r}x + \frac{19}{r} \rightarrow \frac{4}{r}x = \frac{19}{r} \rightarrow x = 4 \quad (4, 1) \quad (1, 9) \quad \sqrt{\Delta y^2 + \Delta x^2} = \sqrt{r+17} = r\sqrt{4}$$



$$AC = r \rightarrow y = rx + 17 \rightarrow y = \frac{r}{r}x + \frac{17}{r}$$

$$\frac{r}{r} + \frac{r}{r} = \frac{r}{r}$$

-5

$$\frac{11}{r}x = \frac{17}{r} \rightarrow x = 2 \quad (2, 1)$$

$$-\frac{r}{r}x \quad (2, 1) \rightarrow -\frac{r}{r}x + 4 = \frac{r}{r}x + \frac{17}{r}$$

$$\frac{r}{r}x = \frac{r}{r} \rightarrow x = \frac{r}{r}, \frac{r}{r} = \frac{r}{r}$$

$$\left(\frac{9}{r}, \frac{11}{r}\right) \rightarrow \frac{r}{r} \times \frac{r}{r} = \frac{r}{r}$$

$$(2, 1) \quad \sqrt{\left(\frac{r}{r}\right)^2 + \left(\frac{11}{r}\right)^2}$$

$$\frac{11}{r} = \frac{r}{r}$$

$$\frac{x}{-r} = \frac{y}{-r} \Rightarrow \frac{y}{y} = \frac{-rx}{-r} \rightarrow y = -rx - y$$

-6

$$a = -ra - y \rightarrow 9a = -y \rightarrow a = \frac{-y}{9} = \frac{-r}{r}$$

$$\frac{r}{r} \sqrt{r} = \frac{r}{r} \sqrt{r} \times \frac{\sqrt{r}}{\sqrt{r}} = \left(\frac{r}{r\sqrt{r}}\right) \quad \text{قطر مربع}$$

$y = ax + 1$
 $a = \frac{1}{a} \Rightarrow a^2 = 1 \rightarrow +1$ ~~و~~ $y = x + 1$ $(1, 2)$ $(2, 3)$ $-V$
 $\rightarrow -1$ ~~و~~ $y = x$ $(1, 1)$ $(2, 2)$
 $y = \frac{1}{a}x + 1 - \frac{1}{a}$
 فاصله $2a - 1 = \sqrt{24}$ $\sqrt{24}$
 $\frac{x+1}{x+2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\sqrt{24}$

$\frac{\sqrt{3}}{2} + x$ $-\frac{\sqrt{3}}{2} + x$ -4
 $-\frac{\sqrt{3}}{4}$ $-\frac{\sqrt{3}}{4}$ $\frac{\sqrt{3}}{4}$
 $\Delta y^2 + \Delta x^2 = \sqrt{\frac{1}{36} + \frac{1}{36}} = \frac{1}{3}$
 $\sqrt{(\frac{1}{3})^2 + (\frac{1}{3})^2} = \frac{1}{3} \sqrt{2} = \frac{\sqrt{2}}{3}$

$x - 2y - 1$ $(4, 0)$ $|4 - 0 - 1| = \frac{3}{\sqrt{10}} = \frac{3\sqrt{10}}{10}$ -1
 $(0, -\frac{1}{2})$ $(1, 0)$
 $2y = x - 1$ $\frac{2}{\sqrt{10}}$ $\frac{2}{\sqrt{10}} \times \frac{2}{\sqrt{10}} \times \frac{1}{2} = \frac{2}{10} = 0.2$

$\frac{\Delta y}{\Delta x} = \frac{4}{2}x \rightarrow (-\frac{2}{4}x) \rightarrow$ خط L
 $(-2, 2)$ $(-2, 4)$ $\frac{4}{2}x + 1$ -10
 $\frac{4}{2}x + 1 = -\frac{2}{4}x \rightarrow \frac{4}{2} + \frac{2}{4} = \frac{10}{12}x = -1$
 $x = -\frac{96}{25}$ $y = \frac{288}{100}$ $-\frac{27648}{2500} = -\frac{2912}{250}$
 $11, \dots$

شماره سوال: سوال ۸ را پایین سوال ۹ حل کردیم