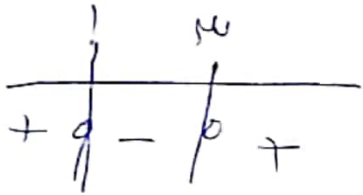


۱۰ جزوه را با دقت مطالعه کن!

آشنا با محور



$$(x-1)(x-3)$$

$$x^2 - 4x + 3$$

$$a = 4$$

$$b = 3$$

$$a+b = 7$$

۲

$(x-1)^2 \rightarrow 3n = -1 \rightarrow n = \left(-\frac{1}{3}\right)$

مغایف

۱۵

$$-\frac{1}{F} x^M + 4x + 8 > \frac{V}{F}$$

$$x^M - 4x - 19 < -$$

$$\Delta = 16 + 4 \times 19 = 92$$

in $\sqrt{92}$

$$x^M - 4x - 19 < 0$$

$$\frac{4 \pm \sqrt{92}}{2}$$

2

$$4 + \sqrt{23} = b$$

$$4 - \sqrt{23} = a$$

~~10~~

10

① - f

$$a-1 < \epsilon < a$$
$$a < 1$$

- a

①

$$(a-1)^r - \epsilon(a-1) < 0 = a^r + 1 - ra - \epsilon a + \epsilon < 0$$
$$a^r - ra + 1 < 0 \quad (a-1)(a-0) < 0$$

$$r \frac{1}{a} > \frac{1}{a}$$

(190)

$$m^2 - 1 = 9m$$

$$\frac{m^2 - 1}{m - 1}$$

$$r + \sqrt{r^2 - a} = b$$

$$r - \sqrt{r^2 - a} = a$$

$$\frac{m^2 (m^2 + 1)}{m - 1}$$

$$\frac{m^2}{m - 1}$$

$$\frac{-r \quad 1 \quad r \quad m}{+ \phi \quad - \phi \quad - \phi \quad + \phi}$$

$$\frac{(x - r)(x + r)}{x^2 + c}$$

$$\frac{-r \quad c}{1 + \phi - \phi +}$$

$$\frac{-1 \quad (x^2 - r^2 - c)}{x + 1}$$

$$A: \frac{-1 \quad 0 \quad \frac{c}{r}}{-\phi + \phi \quad - \phi + \phi}$$

$$B: \frac{r^2 x^2 - r^2 x - 1}{x + 1} \quad r < 0$$

$$\frac{-1}{x + 1}$$

مربوط است $(0, \frac{c}{r})$

$$\frac{r^2 x^2 - r^2 x - 1}{x} \leq 0$$

$$(x - 0) (x + r)$$

$$\frac{-r \quad 0 \quad 0}{- \phi + \phi \quad - \phi + \phi}$$

1

1, 0 = 9

0 = 1

1

9

$$\frac{(x-r)(x+r)}{(x^r-n-q)(x-1)^r} \leq 0 \rightarrow$$



$\rightarrow \phi(x) \leq 0$
 $\hookrightarrow x \in [-r, r] \cup [r, +\infty)$

V

$$\frac{x^r - r_n}{x^r + \varepsilon} < r \rightarrow \frac{x^r - r_n - r x^r - \varepsilon}{x^r + \varepsilon} < 0 \rightarrow \frac{x^r - r_n - \varepsilon}{x^r + \varepsilon} < 0 \rightarrow (x - \varepsilon)(x + r) < 0$$

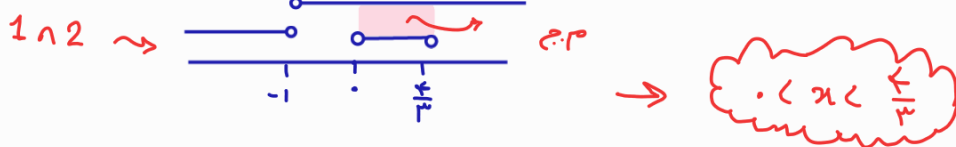
A

$$\frac{-r}{+1} < \frac{\varepsilon}{+1} \rightarrow -r < x < \varepsilon \rightarrow b-a = r+r = 2r$$

$$\frac{x^r - r_n}{x+1} < 0 \rightarrow \frac{x(x^{r-1} - r_n)}{x+1} < 0 \rightsquigarrow \frac{-1}{-1} < \frac{0}{+1} < \frac{r}{+1} \rightsquigarrow x < -1 < x < \frac{r}{r}$$

-4

$$\frac{x^r - \varepsilon n}{x+1} > -1 \rightarrow \frac{x^r - \varepsilon n + x + 1}{x+1} > 0 \rightarrow \frac{x^r - r_{n+1}}{x+1} > 0 \rightarrow x+1 > 0 \rightarrow x > -1$$



$$\frac{x^r - 1}{x} \leq r \rightarrow \frac{x^r - 1}{x} - r \leq 0 \rightarrow \frac{x^r - r x - 1}{x} \leq 0 \rightarrow \frac{(x-a)(x+r)}{x} \leq 0$$

10

$$\frac{-r}{-1} < \frac{0}{+1} < \frac{r}{-1} \rightarrow \text{p.p. } (-\infty, -r] \cup (0, r]$$