

۱۶

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

$$x^r - 5x + \beta$$

$$\rightarrow x^r - 5x + \beta = x^r - ax + b \rightarrow a = 5 \checkmark \quad b = \beta \checkmark$$

$$a + b = 7 \checkmark$$

(۲) ۱

$$y = ((k-1)x + m-1)(x-cn)^r$$

$$k-2 < 0 \Rightarrow k < 2 \Rightarrow k = 1 \checkmark$$

(۲)

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

منفی
له علامت + منفی

$$(x-cn)^r = 0 \quad -1x + r + m - 1 = 0$$

$$\Rightarrow x - cn = 0 \quad -r + m - 1 = 0 \Rightarrow m = r \checkmark$$

$$-1 - cn = 0 \Rightarrow n = \frac{-1}{r} \checkmark$$

$$-r \times \Delta + 1 = -1 \checkmark$$

$$\frac{-1}{r} x^r + 2x + 4 > \frac{r}{r} \Rightarrow \frac{-1}{r} x^r + 2x + 4 > 0$$

$x = \Delta$ $x = -1$

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

$$(a, b) = (-1, 0) \checkmark$$

$$\Delta - (-1) = r \checkmark$$

(۲)

$$\frac{x^r - 3x^r - x + c}{-x^r + x^r}$$

$$\frac{-2x^r - x}{+1x^r + 2x}$$

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

$$f(x) = (x-1)(x^r - 2x - 1)$$

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

$x > 0 \rightarrow (1, 3) = (a, b)$

$$f(1) = -1 \checkmark$$

(۲) ۴

$$a-1 < 0 \Rightarrow a < 1 \quad I$$

$$(a-1)^r - f(a-1) < 0 \Rightarrow a^r + 1 - 2a - r a + r < 0 \Rightarrow a^r - 4a + \Delta < 0$$

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

$1 < a < \Delta \quad II$

(۲) ۵

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

مشتق
مضامین

$$(\infty, \infty) \cup (r, +\infty) \checkmark$$

(۲) ۶

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

مشتق

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

$$[r, r) \cup [r, +\infty) \checkmark$$

(۲)

$$\frac{3x^2 - 2x}{x^2 + 5} < 2 \Rightarrow \frac{3x^2 - 2x - 2x^2 - 10}{x^2 + 5} < 0 \Rightarrow \frac{x^2 - 2x - 1}{x^2 + 5} < 0$$

$$\frac{-2 \quad 5}{+1 \quad -1 \quad +}$$

$$(-2, 5) \checkmark$$

$$5 - (-2) = 7 \checkmark$$

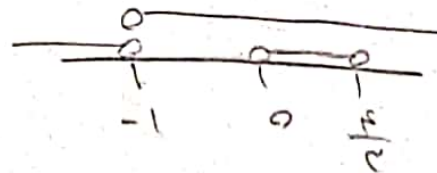
لعل، 0، 5

(2)

$$-1 < \frac{3x^2 - 5x}{x+1} \Rightarrow 0 < \frac{3x^2 + 3x + 1}{x+1}$$

$$\frac{3x^2 - 5x}{x+1} < 0 \Rightarrow \frac{-1 \quad 0 \quad 1}{-1 \quad + \quad -1 \quad + \quad 1 \quad 1}$$

$$\frac{-1 \quad 0 \quad 1}{-1 \quad + \quad -1 \quad + \quad 1 \quad 1}$$



$$I \cap II = (0, \frac{1}{2}) \checkmark$$

(2)

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

$$\frac{-2 \quad 0 \quad 1}{-1 \quad + \quad -1 \quad + \quad 1 \quad 1}$$

$$(-\infty, -1] \cup [1, \infty) \checkmark$$

وقت! به ترتیب اعداد تو جدول

(1, 5)