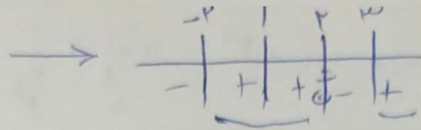


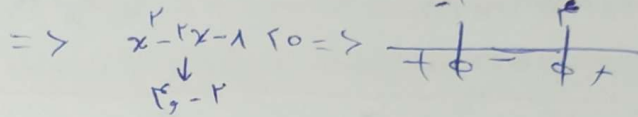
$$\frac{(x-r)(x+r)(x-1)^r}{(x^2+1)(x-x)^r} \leq 0$$



-v

$$\Rightarrow [-r, r) \cup [r, +\infty)$$

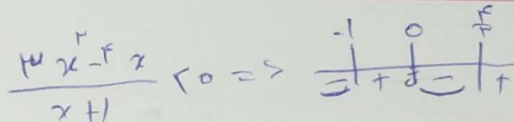
$$\frac{r x^r - r x^r x^r - 1}{x^2 + r} \leq 0$$



-A

$$b - a = r - (-r) = 2r$$

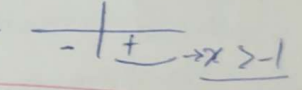
$$-1 < \frac{r x^r - r x^r}{x+1} \leq 0$$



-1

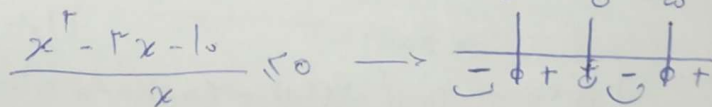
$$-1 < \frac{r x^r - r x^r}{x+1} \Rightarrow 0 < \frac{r x^r - r x^r + x + 1}{x+1} \Rightarrow \frac{r x^r - r x^r + 1}{x+1} \rightarrow x = -1$$

$$(1, +\infty) \cap \left(\left(0, \frac{r}{r}\right) \cup (-1, -\infty) \right) = \left(0, \frac{r}{r}\right)$$



-10

$$\frac{x-10}{x} \leq 0$$



$$x \in (-\infty, -10] \cup (0, \infty)$$

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