31.01.2024 (среда)

$$\sqrt{2} 1$$
1) $(x+1)(x-2)(x+5) > 0$

$$(x+1)(x-2)(x+5) = 0$$

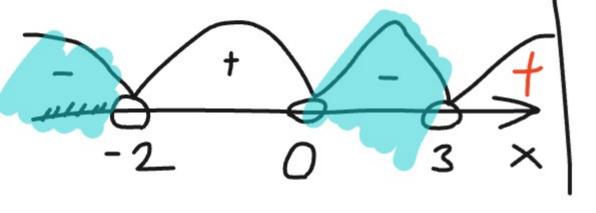
$$x+1=0 \quad x-2=0 \quad x+5=0$$

$$x=-1 \quad x=2 \quad x=-5$$

$$X \in (-5;-1) \cup (2;+\infty)$$

$$2) \times (x-3)(x+2) < 0$$

2)
$$\times (x-3)(x+2) < 0$$
 $\times (x-3)(x+2)=0$
 $\times = 0$ $\times -3=0$ $\times +2=0$
 $\times = 3$ $\times = 3$ $\times = -2$



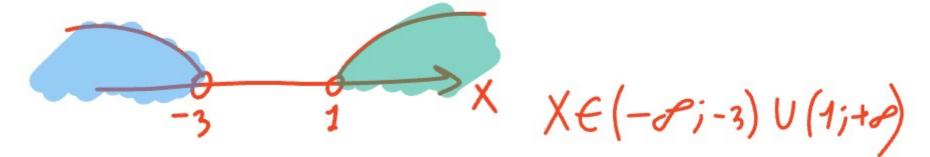
No 3

1)
$$\frac{x+3}{x-1} > 0$$

$$\frac{a}{b} \ge 0$$
 $\frac{a}{6} \le 0$ $\frac{a}{6} \le 0$ $\frac{a}{6} \le 0$ $\frac{a}{6} \ge 0$

$$\begin{cases} x + 3 < 0 & (x < -3) \\ x - 1 < 0 & (x < 1) \\ -3 & 1 \end{cases} x \in (-e); -3$$

$$\begin{cases} X+3>0 & (X>-3 \\ X-1>0 & (X>-3 \\ X>1 & -3 & 1 \end{cases} \times E(1;+\infty)$$



1x-7<0; $(x-2) \cdot (x+1) > 0$ $(x-2) \cdot (x+1) = 0$ $x-2=0 \times +1=0$ $x=2 \times -1$ XE(-00:-1)V(2;+ 0) $\begin{cases} \chi < -1 \\ x < 1 \\ \chi > 2 \end{cases}$ X ∈ (-0;-1) U (2;4)

/(x-2).(x4)<9 \-1<X<2 x∈(-1;2)

pervenuis