

$$\frac{|x-3|}{x+1} > 2$$

$$\text{C.E.: } x \neq -1$$

$$\frac{|x-3|}{x+1} - 2 > 0$$

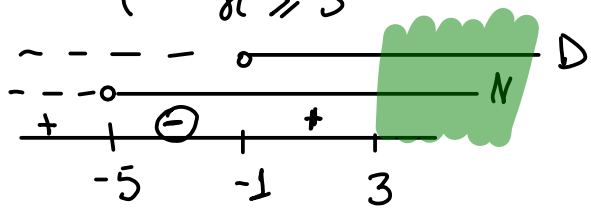
$$\left\{ \begin{array}{l} \frac{x-3}{x+1} - 2 > 0 \\ x-3 \geq 0 \end{array} \right. \vee \left\{ \begin{array}{l} -\frac{(x-3)}{x+1} - 2 > 0 \\ x-3 < 0 \end{array} \right.$$

$$\left\{ \begin{array}{l} \frac{x-3-2x-2}{x+1} > 0 \\ x \geq 3 \end{array} \right. \vee \left\{ \begin{array}{l} \frac{-x+3-2x-2}{x+1} > 0 \\ x < 3 \end{array} \right.$$

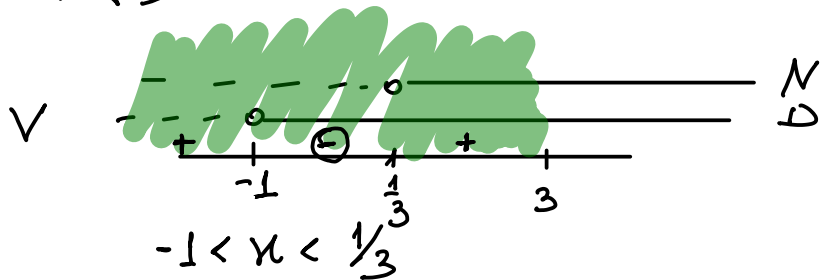
$$\left\{ \begin{array}{l} \frac{-x-5}{x+1} > 0 \\ x \geq 3 \end{array} \right. \vee \left\{ \begin{array}{l} \frac{-3x+1}{x+1} > 0 \\ x < 3 \end{array} \right.$$

$$\left\{ \begin{array}{l} \frac{x+5}{x+1} < 0 \\ x \geq 3 \end{array} \right. \vee \left\{ \begin{array}{l} \frac{3x-1}{x+1} < 0 \\ x < 3 \end{array} \right.$$

$$\left\{ \begin{array}{l} N: x > -5 \\ D: x > -1 \end{array} \right. \vee \left\{ \begin{array}{l} N: x > 1/3 \\ D: x > -1 \\ x < 3 \end{array} \right.$$



$\forall x \in \mathbb{R}$



$$\boxed{-1 < x < \frac{1}{3}}$$