1°0 g 25 a < -1 < 00 4 6 4 1 f) provar que \frac{1}{5} > 1 (v) a) provar que a 4 a (V) $\frac{1}{b} > 1 \xrightarrow{\alpha < 0} a \cdot \frac{1}{b} < 1 \cdot a \Rightarrow \frac{a}{b} < a \cdot cqd$ b) $b^2 > 1$ (F) $b = \frac{1}{2} \qquad b^2 = \frac{1}{4}$

$$a \leftarrow 1$$

$$a = -10$$
 $a = b = 1$ $a + b = -10 + 1$

$$a+b=-10+1$$

entre -1e0

d)
$$b(a^2(1)F)$$

$$a = -3 \Rightarrow a = 9>1$$

$$\alpha = -3 \implies \alpha = 9 > 1$$

$$a = -10$$
 $a = \frac{1}{100}$

$$b - a = \frac{1}{100} - (-10) = \frac{1}{100} + 10 > 1$$

$$a = -2$$
 $\frac{1}{a} = \frac{1}{-2} = -\frac{1}{2} > -1$

$$|3| = 3$$

$$|o| = 0$$

 $|-3| = 3 = -(-3)$

sou negativo

$$|\sqrt{4-\sqrt{3}}| = -(1-\sqrt{3}) = -1+\sqrt{3}$$

$$| \pi - 2 | = \pi - 2$$
 $| \pi - 2 \rangle = \pi - 2$

por tivo

$$|T-5| = -(T-5) = -T + 5$$

$$\frac{\partial L}{\partial x} = \begin{cases} x \in \mathbb{R} \\ |x| & \text{if } x \neq 0 \\ -x| & \text{if } x \neq 0 \end{cases}$$

Propriedades

$$3 | \sqrt{x^2} = |x|, \forall x \in \mathbb{R}$$

$$|Y| = |-x|_{1} + |Y|_{2}$$

$$|2| = |-2|_{1} + |Z|_{2} = |-3|_{1}$$

$$|T| - |Z| = |-T| + |Z|_{2}$$

 $2=\sqrt{4}=\sqrt{\frac{-2}{2}}^2+-2$

$$\sqrt{(-3)^2} = |-3| = 3 \left\{ \left(\sqrt{x} \right)^2 \frac{\text{com } x}{x^2} \right\}$$

parl

- plate pimbolo representa um unico nº real que e'
positivo

nº positivo

$$\sqrt[2]{a'} = 3$$

Intervalor reais (subcong. de IR) Drummy X]1,4[intervalo abento JYEIR 14X44 1 (1;4) intervalo (schado 1xem 115 x 54 } 1]1,4] 4 x E R / 1 < x < 4 } 1xER 15x 649

$$|\chi \in \mathbb{R} | \chi > 1$$

$$|\chi \in \mathbb{R} | \chi > 1$$

$$|\chi \in \mathbb{R} | \chi > 1$$

$$|\chi \in \mathbb{R} | \chi < 1$$