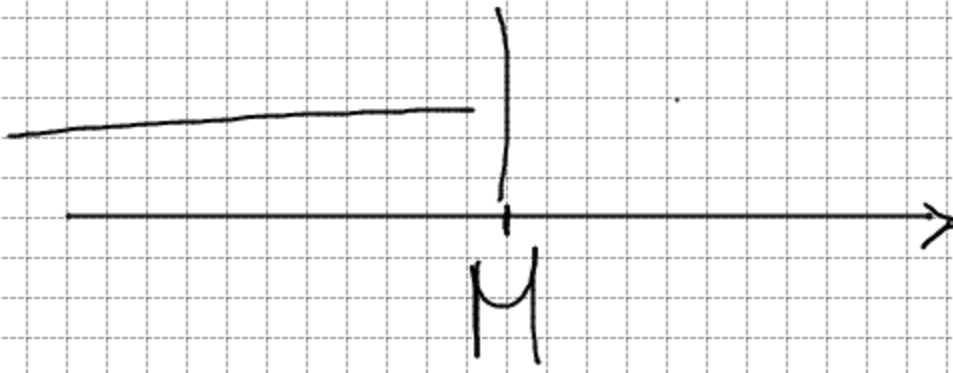




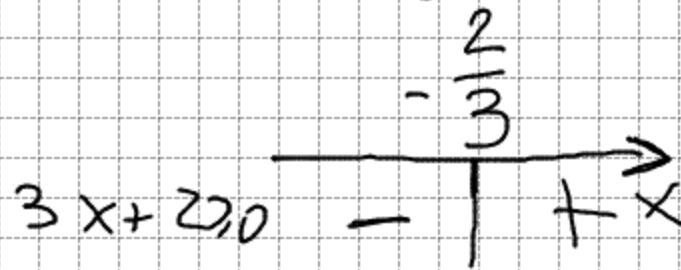
$$a < x < b \quad (a, b)$$

$$a \leq x \leq b \quad [a, b]$$



$$|3x+2|=5$$

$$3x+2 \geq 0 \quad x \geq -\frac{2}{3}$$



$$\begin{cases} x < -\frac{2}{3} \\ -3x-2=5 \end{cases} \cup \begin{cases} x \geq -\frac{2}{3} \\ 3x+2=5 \end{cases}$$

$$\begin{cases} x < -\frac{2}{3} \\ -3x=7 \end{cases}$$

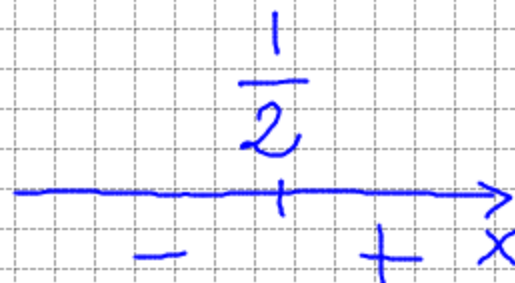
$$\begin{cases} x < -\frac{2}{3} \\ x = -\frac{7}{3} \end{cases} \cup \begin{cases} x \geq -\frac{2}{3} \\ x = 1 \end{cases}$$



$$|2x-1|=-3$$

$$2x-1 \geq 0$$

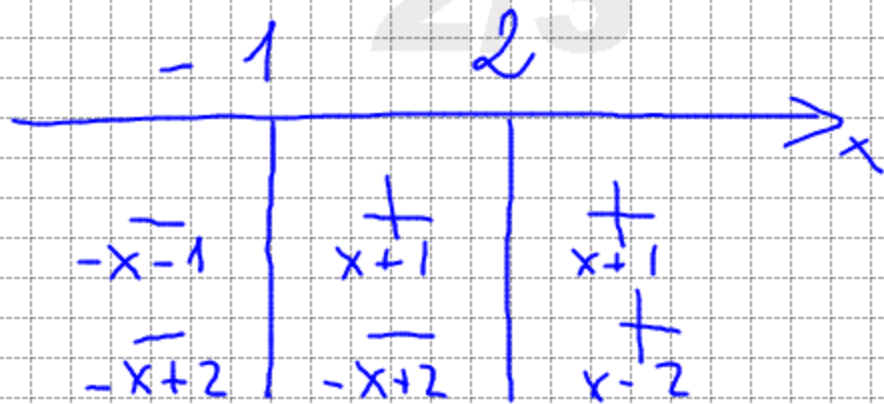
$$x \geq \frac{1}{2}$$



$$\begin{cases} x < \frac{1}{2} \\ -2x+1=-3 \end{cases} \cup \begin{cases} x \geq \frac{1}{2} \\ 2x-1=-3 \end{cases}$$

$$\begin{cases} x < \frac{1}{2} \\ x=2 \text{ non ecc.} \end{cases} \cup \begin{cases} x \geq \frac{1}{2} \\ x=-1 \text{ non ecc.} \end{cases}$$

$$|x+1| + |x-2| = -3$$



$$\begin{array}{ll} x+1 \geq 0 & x \geq -1 \\ x-2 \geq 0 & x \geq 2 \end{array}$$

$$\left\{ \begin{array}{l} x < -1 \\ -x-1 + (-x+2) = -3 \end{array} \right. \cup \left\{ \begin{array}{l} -1 \leq x < 2 \\ x+1 + (-x+2) = -3 \end{array} \right. \cup \left\{ \begin{array}{l} x \geq 2 \\ x+1 + (x-2) = -3 \end{array} \right.$$

$$\left\{ \begin{array}{l} x < -1 \\ -2x = -4 \end{array} \right. \cup \left\{ \begin{array}{l} -1 \leq x < 2 \\ 3 = -3 \text{ iwp} \end{array} \right. \cup \left\{ \begin{array}{l} x \geq 2 \\ 2x = -2 \end{array} \right.$$

$$\left\{ \begin{array}{l} x < -1 \\ x = 2 \text{ non acc} \end{array} \right. \cup \left\{ \begin{array}{l} -1 \leq x < 2 \\ 3 = -3 \text{ iwp} \end{array} \right. \cup \left\{ \begin{array}{l} x \geq 2 \\ x = -1 \text{ non acc.} \end{array} \right.$$

