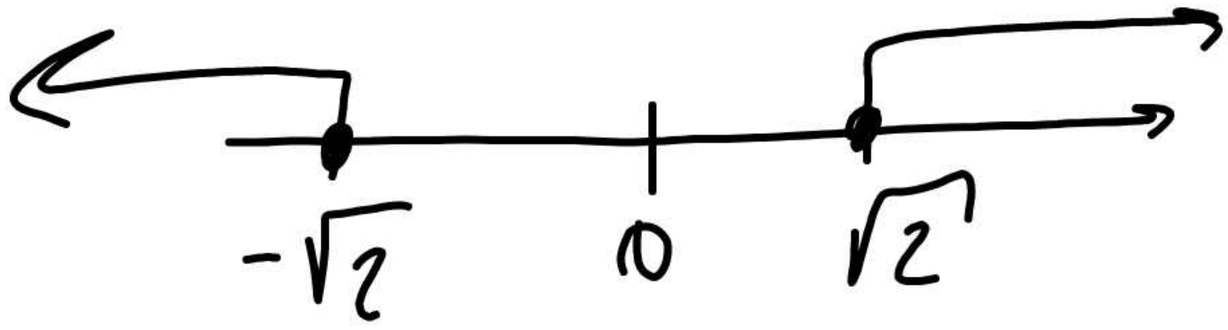
Równania i nierówności z wart. bezwzgl.

$$|x| \geq \sqrt{2}$$

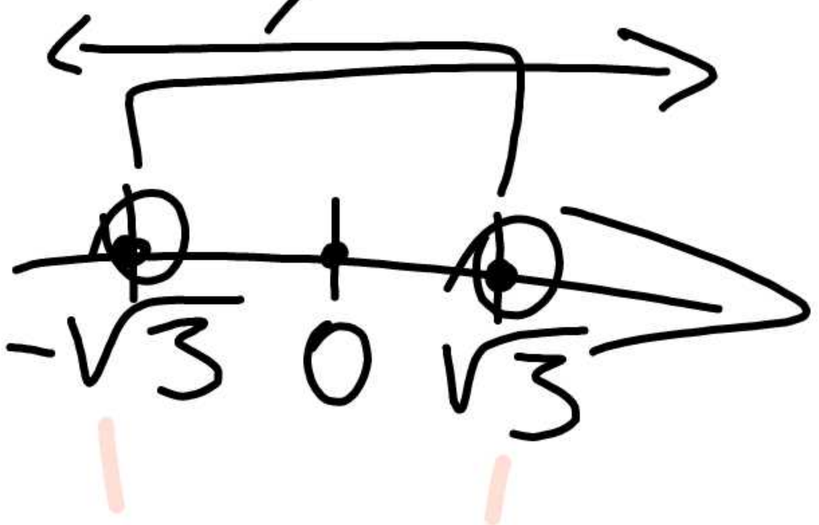


$$x \geq \sqrt{2} \quad \text{lub} \quad x \leq -\sqrt{2}$$

$$x \in (-\infty; -\sqrt{2}\rangle \cup \langle \sqrt{2}; \infty)$$

$$|x| < \sqrt{3}$$

$$x < \sqrt{3} \quad i \quad x > -\sqrt{3}$$



$$x \in (-\sqrt{3}; \sqrt{3})$$

$$|x+1| < 2$$

$x+1 < 2$ i $x+1 > -2$

$x < 1$ i $x > -3$

$x \in (-3; 1)$

$$|x+1| \geq 3$$

$x+1 \geq 3$ lub $x+1 \leq -3$

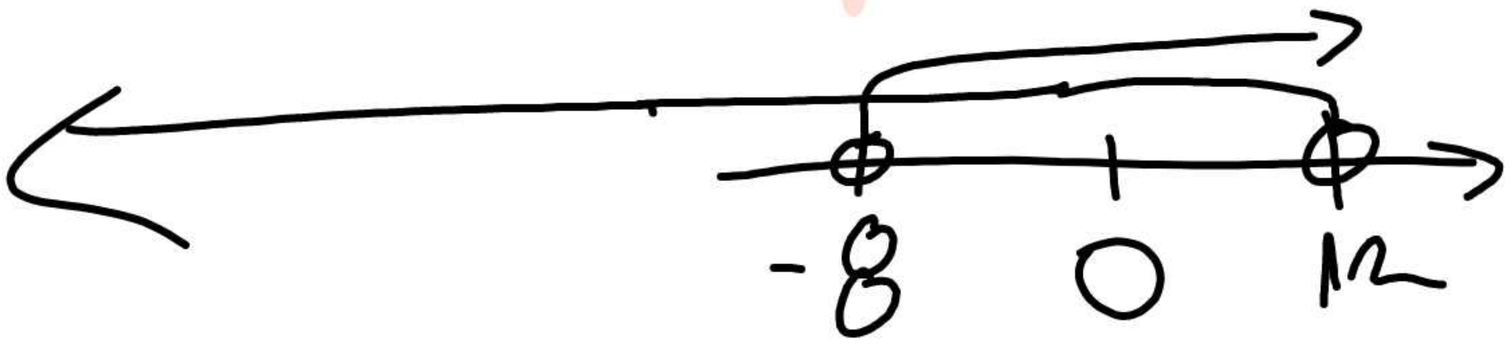
$x \geq 2$ lub $x \leq -5$

$x \in (-\infty; -5\rangle \cup \langle 2; \infty)$

$|x-2| < 10$

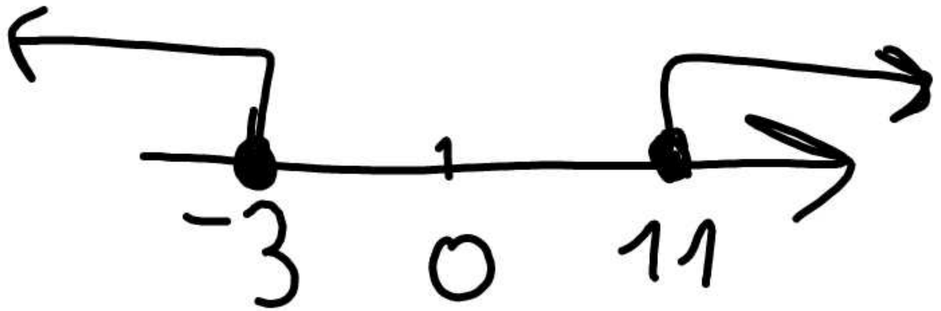
$x-2 < 10 \quad i \quad x-2 > -10$

$x < 12 \quad i \quad x > -8$



$x \in (-8; 12)$

$$|x-4| \geq 7$$



$x-4 \geq 7$ lub $x-4 \leq -7$

$x \geq 11$ lub $x \leq -3$

$x \in (-\infty; -3\rangle \cup \langle 11; \infty)$

Zadanie

$|x-5| \geq 1$

$|x+2| < 3$

$|x+1| \leq 5$

$|2x+3| > 4$