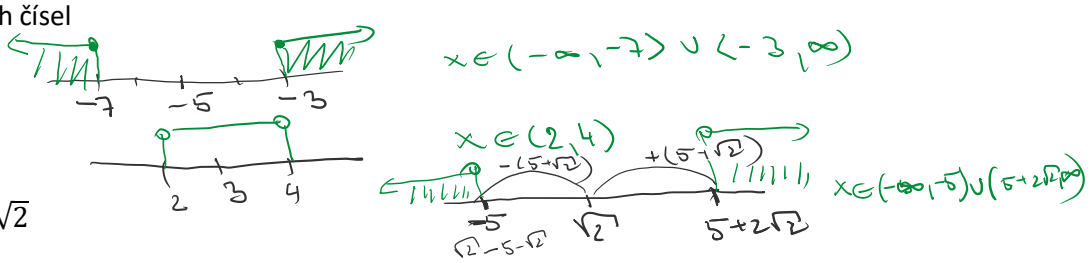
NEROVNICE S ABSOLÚTNOU HODNOTOU

- nerovnice, ktoré obsahujú neznámu v absolútnej hodnote
- metódy riešenia
  - využitím geometrického významu absolútnej hodnoty
  - definícia absolútnej hodnoty
  - metóda nulových bodov

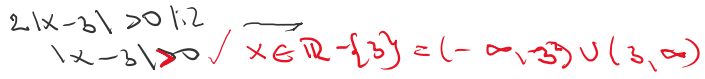
Úlohy

Riešte v množine reálnych čísel

1. $|x+5| \geq 2$
2. $|x-3| < 1$
3. $|x-\sqrt{2}| > 5+\sqrt{2}$

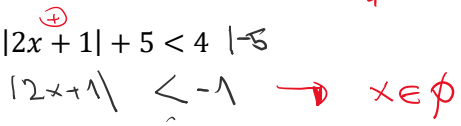


4. $|2x-6| > 0$

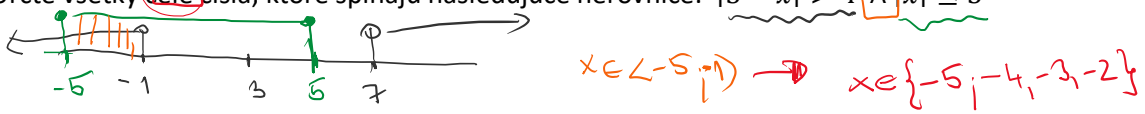


5. $|3-4x| \leq 0$

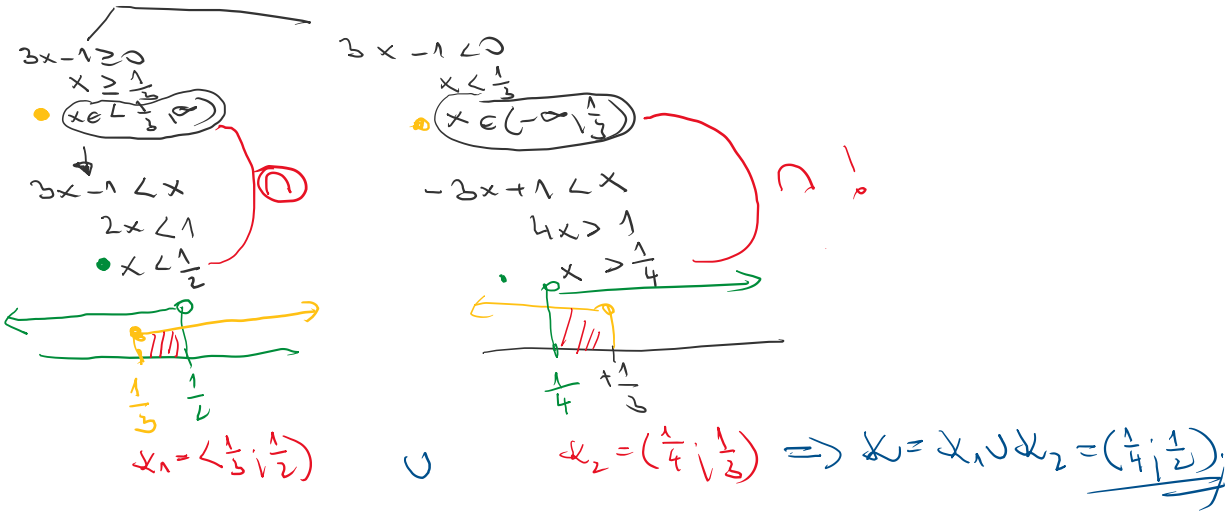
6. $|2x+1|+5 < 4$



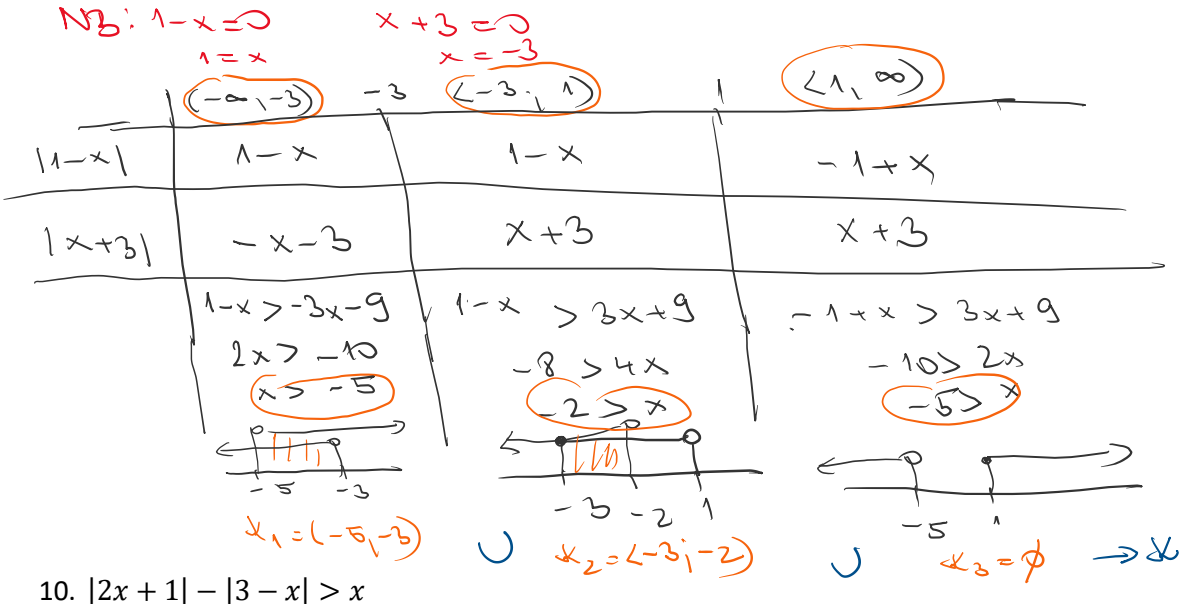
7. Určte všetky celé čísla, ktoré spĺňajú nasledujúce nerovnice: $|3-x| > 4 \wedge |x| \leq 5$



8. $|3x-1| < x$

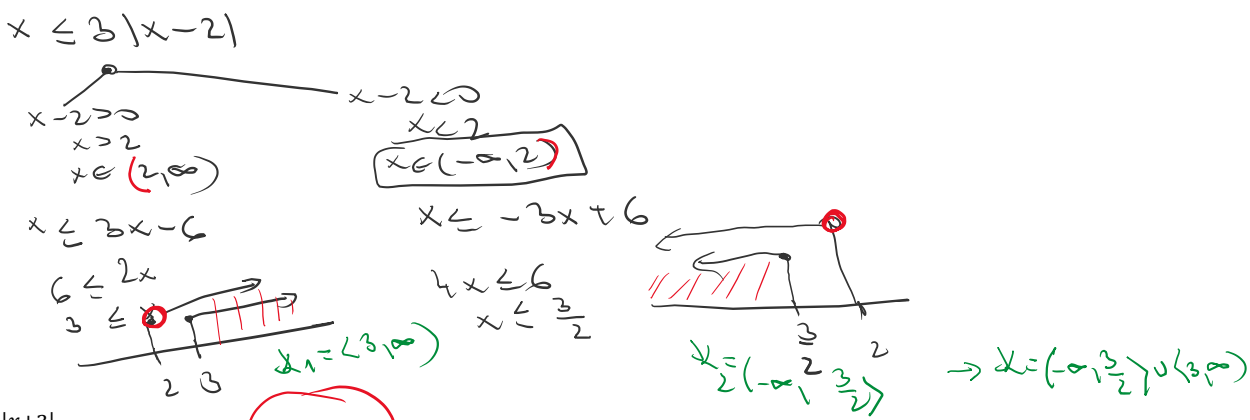


9. $|1-x| > 3|x+3|$



10. $|2x+1| - |3-x| > x$

11. $\frac{x}{|x-2|} \leq 3$ / · |x-2| (+) ; $x \neq 2$



12. $\frac{|x+3|}{x+1} \geq 2$ → $x \neq -1$