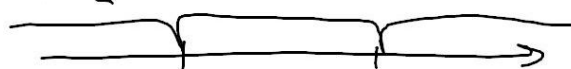


$$|x-2| + |x+3| = 5$$

$$x=2 \quad x=-3$$



$$x \in (-\infty; -3) \quad ?$$

$$-x+2 + -(x+3) = 5$$

$$-2x = 6$$

$$x = -3$$

$$x \in (-3; 2)$$

$$-x+2 + x+3 = 5$$

$$5 = 5 \text{ always!}$$

$$x \in (-3; 2)$$

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

$$2x = 0$$

$$x = 0$$

$$x \in (2; \infty)$$

$$|2x-4| - |x+4| = 10$$

$$x=2 \quad x=-4$$



$$(-\infty; -4)$$

$$-2x+4 - (-(x+4)) = 10$$

$$-2x+4 + x+4 = 10$$

$$-x = 2$$

$$x = -2$$

$$x \in (-4; 2)$$

$$-2x + 4 - x - 4 = 10$$

$$-3x = 10 \quad /: (-3)$$

$$x = -\frac{10}{3} \checkmark$$

$$x \in (2; \infty)$$

$$2x - 4 - (x + 4) = 10$$

$$x = 18 \checkmark$$

$$\text{odp. } x = 18, x = -\frac{10}{3}$$

$$|3x + 6| - |x - 1| = 2$$

$$|x + 3| - |2x - 6| = 7$$

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