

a) $|x - 5| < 4$

$$-4 < x - 5 < 4 \quad | + 5$$

$$1 < x < 9 \quad \rightarrow \quad L = (1; 9)$$

d) $|3 - x| \geq 11$

$$3 - x \leq -11 \quad \text{oder} \quad 3 - x \geq 11$$

$$-x \leq -14 \quad \text{oder} \quad -x \geq 8$$

$$x \geq 14 \quad \text{oder} \quad x \leq -8 \quad \rightarrow \quad L = (-\infty; -8] \cup [14; \infty)$$