

CLASA: a VIII-a

## BREVIAR TEORETIC ȘI EXEMPLE

### Intervale de numere reale (3)

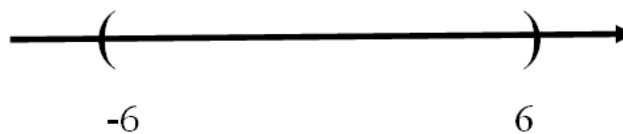
#### Intervale simetrice

Fie  $a > 0$ ,  $a$  număr real

##### 1. Interval simetric deschis,

$$(-a, a) = \{x \in \mathbb{R} \mid -a < x < a\} = \{x \in \mathbb{R} \mid |x| < a\}$$

Exemplu:

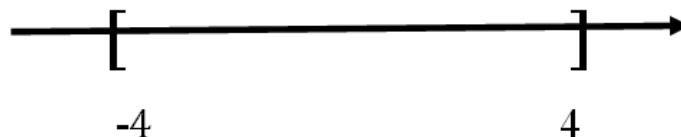


$$-6 \notin (-6, 6), \quad 6 \notin (-6, 6), \quad 0 \in (-6, 6), \quad 5 \in (-6, 6)$$

##### 2. Interval simetric închis,

$$[-a, a] = \{x \in \mathbb{R} \mid -a \leq x \leq a\} = \{x \in \mathbb{R} \mid |x| \leq a\}$$

Exemplu:



$$-4 \in [-4, 4], \quad 4 \in [-4, 4], \quad 0 \in [-4, 4], \quad -5 \notin [-4, 4]$$