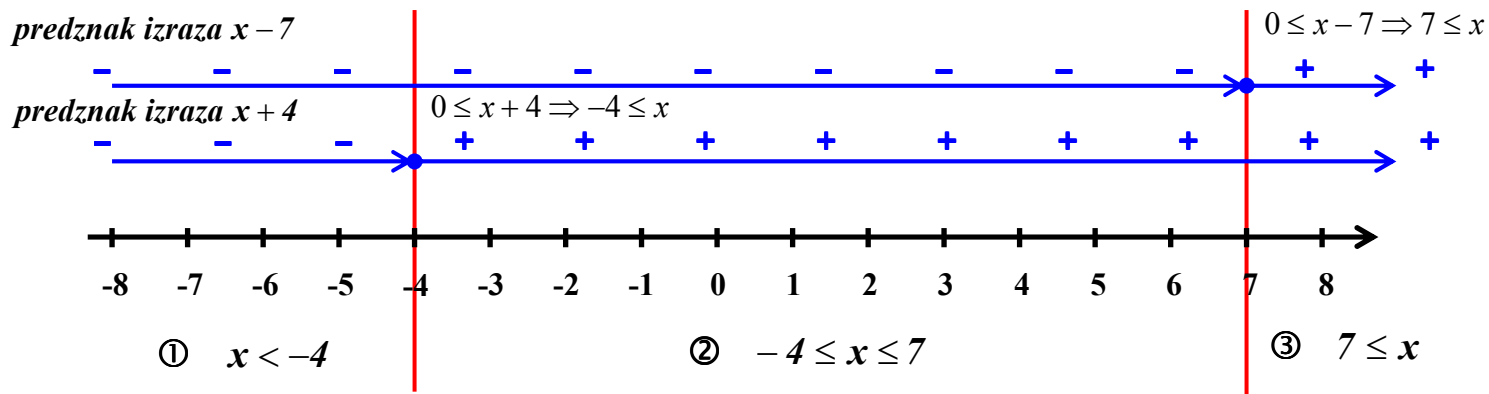


A1a ime in priimek:

Preizkus znanja iz 24.DN 22.4.11

Rešite enačbo.

$$|x - 7| + |x + 4| = 15$$



① $x < -4 \Rightarrow -x + 7 - x - 4 = 15 \Rightarrow -2x = 12 \Rightarrow x = -6_{\text{OK}}$

② $-4 \leq x < 7 \Rightarrow -x + 7 + x + 4 = 15 \Rightarrow 11 = 15 \Rightarrow x \in \emptyset$

③ $7 \leq x \Rightarrow x - 7 + x + 4 = 15 \Rightarrow 2x = 18 \Rightarrow x = 9_{\text{OK}}$

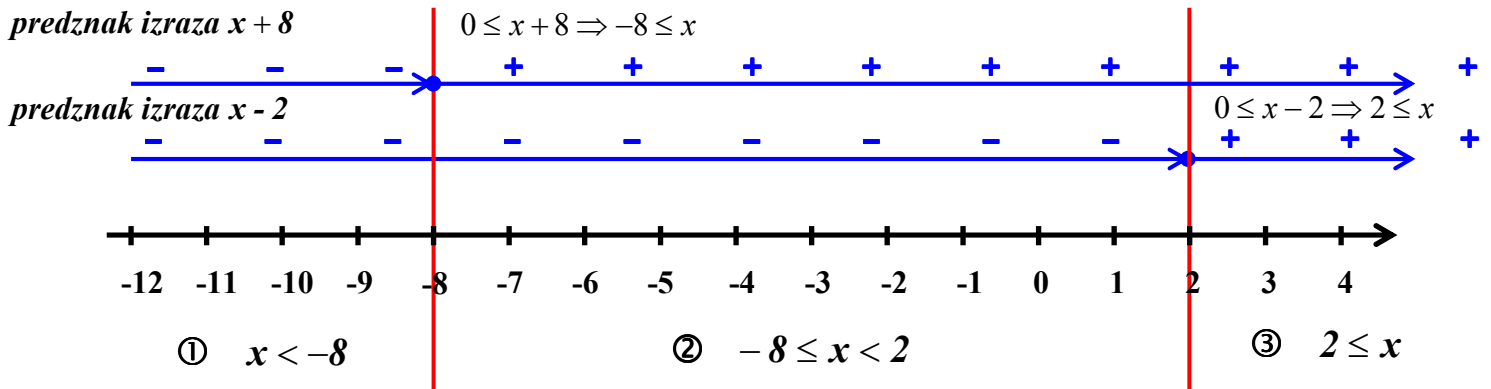
$x \in \{-6, 9\}$

B1a ime in priimek:

Preizkus znanja iz 24.DN 22.4.11

Rešite enačbo.

$$|x + 8| + |x - 2| = 10$$



① $x < -8 \Rightarrow -x - 8 - x + 2 = 10 \Rightarrow -2x = 16 \Rightarrow x = -8_{\text{ni OK}}$

② $-8 \leq x < 2 \Rightarrow x + 8 - x + 2 = 10 \Rightarrow 10 = 10 \Rightarrow x \in [-8, 2)_{\text{OK}}$

③ $2 \leq x \Rightarrow x + 8 + x - 2 = 10 \Rightarrow 2x = 4 \Rightarrow x = 2_{\text{OK}}$

$x \in [-8, 2]$