

Logaritmická rovnice D3

$$3) \quad 2\log(x+1) = \log(2x+10)$$

$$D: x > -1 \wedge x > -5$$

$$D = (-1; \infty)$$

$$\log(x+1)^2 = \log(2x+10)$$

$$(x+1)^2 = (2x+10)$$

$$x^2 + 2x + 1 = 2x + 10$$

$$x^2 - 9 = 0$$

$$x_{1;2} = \pm 3 \quad -3 \notin D$$

$$P = \{3\}$$

[zpět](#)