

Logaritmická rovnice B3

$$3) \quad \log(x+1) + \log(x-1) - \log(x-2) = \log 8$$

$$D: x > -1 \wedge x > 1 \wedge x > 2$$

$$D = (2; +\infty)$$

$$\log \frac{(x+1) \cdot (x-1)}{x-2} = \log 8$$

$$\frac{x^2 - 1}{x - 2} = 8$$

$$x^2 - 8x + 15 = 0$$

$$x_1 = 3 \vee x_2 = 5$$

$$P = \{3; 5\}$$

[zpět](#)