

$$d) \sqrt{x+4} + \sqrt{x-2} = \sqrt{2x+10}$$

$$x+4 \geq 0 \Rightarrow x \geq -4$$

$$x-2 \geq 0 \Rightarrow x \geq 2$$

$$2x+10 \geq 0 \Rightarrow x \geq -5$$

$$D_f = \langle 2, \infty \rangle$$

$$\sqrt{x+4} + \sqrt{x-2} = \sqrt{2x+10} /^2$$

$$x+4+2\sqrt{x^2+2x-8}+x-2=2x+10$$

$$2\sqrt{x^2+2x-8}=8/:2$$

$$\sqrt{x^2+2x-8}=4/^2$$

$$x^2+2x-8=16$$

$$x^2+2x-24=0$$

$$x_1 = -6 \notin D_f, \quad x_2 = 4$$

Zkouška:

$$L = \sqrt{8} + \sqrt{2} = 2\sqrt{2} + \sqrt{2} = 3\sqrt{2}$$

$$P = \sqrt{18} = 3\sqrt{2}$$

$$P = \{4\}$$

[Zpět:](#)