

Druhá, třetí odmocnina – cvičení:

- $\frac{2}{2+\sqrt{3}} = [4-2\sqrt{3}]$
- $\frac{\sqrt{6}+\sqrt{5}}{\sqrt{6}-\sqrt{5}} = [11+2\sqrt{30}]$
- $\frac{15}{\sqrt{3}-\sqrt{8}} = [-3(\sqrt{3}+\sqrt{8})]$
- $\sqrt{x} - \frac{1}{\sqrt{x}} = \left[\frac{x\sqrt{x}-\sqrt{x}}{x} \right]$
- $\frac{1}{\sqrt{b}-\sqrt{a}} + \frac{1}{\sqrt{b}+\sqrt{a}} = \left[\frac{2\sqrt{b}}{b-a} \right]$
- $\frac{1-\sqrt{a}}{1+\sqrt{a}} - \frac{3+\sqrt{a}}{1-a} + \frac{3\sqrt{a}}{1-\sqrt{a}} = \left[\frac{4a-2}{1-a} \right]$
- $\left(\frac{\sqrt{3}+\sqrt{11}}{\sqrt{3}-\sqrt{11}} \right)^2 + \left(\frac{\sqrt{11}-\sqrt{3}}{\sqrt{11}+\sqrt{3}} \right)^2 = \left[\frac{41}{4} \right]$
- $(3+\sqrt{2})^3 = [45+29\sqrt{2}]$
- $2\sqrt[3]{32} - 6\sqrt[3]{108} - 4\sqrt[3]{500} = [-34 \cdot \sqrt[3]{4}]$
- $\sqrt[3]{54a^5} = [3a \cdot \sqrt[3]{2a^2}]$
- $\frac{6}{\sqrt[3]{4}} = [3 \cdot \sqrt[3]{2}]$
- $\frac{1}{\sqrt[3]{18}} = \left[\frac{\sqrt[3]{3} \cdot \sqrt[3]{4}}{18} \right]$