

PIERWIASTKOWANIE - WZORY

Jeśli $\sqrt[n]{a} = b$, to $b^n = a$, $a \geq 0$

$$\sqrt[n]{0} = 0$$

$$\sqrt[n]{a} = a^{\frac{1}{n}}$$

$$\frac{\sqrt[n]{a}}{\sqrt[n]{b}} = \sqrt[n]{\frac{a}{b}}$$

$$\sqrt[n]{1} = 1$$

$$\sqrt[n]{a^m} = a^{\frac{m}{n}}$$

$$\sqrt[n]{a} \cdot \sqrt[n]{b} = \sqrt[n]{a \cdot b}$$

$$\sqrt[n]{\sqrt[m]{a}} = \sqrt[n \cdot m]{a}$$

$$\sqrt{a} + \sqrt{b} = \sqrt{a + b + 2\sqrt{ab}}$$

$$|\sqrt{a} - \sqrt{b}| = \sqrt{a + b - 2\sqrt{ab}}$$