

Hatványozás

- I. $a^m \cdot a^n = a^{n+m}$
- II. $\frac{a^m}{a^n} = a^{m-n}$
- III. $(a \cdot b)^n = a^n \cdot b^n$
- IV. $\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$
- V. $(a^n)^m = a^{n \cdot m}$

Gyökvonás

- A) $\sqrt[n]{ab} = \sqrt[n]{a} \cdot \sqrt[n]{b}$
- B) $\sqrt[n]{\frac{a}{b}} = \frac{\sqrt[n]{a}}{\sqrt[n]{b}}$
- C) $(\sqrt[n]{a})^m = \sqrt[n]{a^m}$
- D) $\sqrt[n]{\sqrt[m]{a}} = \sqrt[n \cdot m]{a}$
- E) $\sqrt[n]{a^m} = \sqrt[n \cdot k]{a^{m \cdot k}}$
- F) $a^{\frac{n}{m}} = \sqrt[m]{a^n}$