

Indices

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- Laws of Indices

- **Indices**
 - Negative algebra when swap position will become positive

Laws of Indices

1. $a^m \times a^n = a^{m+n}$
2. $a^m \div a^n = a^{m-n}$
3. $(a^m)^n = a^{mn}$
4. $a^0 = 1$
5. $a^{-2} = \frac{1}{a^2}$
6. i) $a^m \times b^m = (ab)^m$
 ii) $a^m \div b^m = \left(\frac{a}{b}\right)^m$
7. $a^{\frac{m}{n}} = \sqrt[n]{a^m}$

