Rajarshi Gurukul

Sallaghari, Bhaktapur -17, Nepal

Full marks: 10

Name: Grade:

Laws of indices

Drag the correct options.

1. Product law of indices: If a^m and a^n are any two terms with the same base **a** and the powers **m** and **n** respectively, then

$a^m \times a^n$ = _____

2. Quotient law of indices: If a^m and a^n are any two terms with the same base **a** and the powers **m** and **n** respectively, then

$a^m \div a^n$ = _____ if m>n

$a^m \div a^n$ = _____ if m<n

3. Power law of indices: If $(a^m)^n$ is any terms with base **a** and the power **n** on power **m**, then

$(a^m)^n$ = _____

4. law of zero index: If a^0 is any term with base **a** and the power **0**, then

a^0 = _____

5. Root law of index: If $\sqrt[n]{a^m}$ is any term with root 'n' base **a** and the power **m**, then

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

$\frac{1}{a^{n-m}}$	$a^{m/n}$	$a^{m \times n}$
a^{m-n}	a^{m+n}	1

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