

Listen and learn

	LHS	RHS
POWERS WITH ZERO 	$a^0 =$	 1
POWERS WITH NEGATIVE 	$a^{-m} =$	 $\frac{1}{a^m}$
PRODUCT LAW 	$a^m \times a^n =$	 a^{m+n}
QUOTIENT LAW 	$\frac{a^m}{a^n} =$	 a^{m-n}
POWER LAW 	$[a^m]^n$	 a^{mn}

Match the following

- $1. 1^0 =$   7^7
- $2. 4^{-3} =$   **7**
- $3. 7^3 \times 7^4 =$   7^{12}
- $4. \frac{7^4}{7^3} =$   **1**
- $5. [7^4]^3 =$   $\frac{1}{4^3}$