Exponent Rules

Term	What it means	Example
Product	Same base: add exponents	$x^2 \cdot x^3 = x^5$
Quotient	Same base: subtract exponents	$x^6 \div x^2 = x^4$
Power	Power to a power: multiply	$(x^2)^3 = x^6$
Zero	Anything (not 0) to the 0 is 1	$5^0 = 1$
Negative	Move it to the denominator	$x^{-2} = 1/x^2$