Exponents And Power

Laws of Exponents Here are the laws of exponents when a and b are non-zero integers and m, n are any integers. $a^{-m} = 1/a^m$ $a^m / a^n = a^{m-n}$ $(a^m)^n = a^{mn}$ $a^m x b^m = (ab)^m$ $a^m / b^m = (a/b)^m$ $a^0 = 1$ $(a/b)^{-m} = (b/a)^m$ $(1)^n = 1$ for infinitely many n. $(-1)^p = 1$ for any even integer p