

Rules of Exponents

Rule 1. $A^m A^n = A^{m+n}$

Rule 2. $\frac{A^m}{A^n} = A^{m-n}$

Rule 3. $A^0 = 1, A \neq 0$

Rule 4. $A^{-n} = \frac{1}{A^n} \neq 0$

Rule 5. $(A^m)^n = A^{mn}$