

Ch:
8-1

Summary - THE 6 EXPONENT RULES

① MULTIPLICATION
RULE FOR EXPONENTS

$$a^m \cdot a^n = a^{m+n}$$

③ POWER OF A
POWER RULE

$$(a^m)^n = a^{m \cdot n}$$

④ POWER OF A
PRODUCT OR QUOTIENT
RULE

$$(ab)^m = a^m b^m$$

$$\left(\frac{a}{b}\right)^m = \frac{a^m}{b^m}$$