

Name: _____

Date: _____

BLM 4-4

Chapter 4 Foldable

Exponent Law	Explanation
Product of Powers $(a^m)(a^n) = a^{m+n}$	
Quotient of Powers $\frac{a^m}{a^n} = a^{m-n}, a \neq 0$	
Power of a Power $(a^m)^n = a^{mn}$	
Power of a Product $(ab)^m = (a^m)(b^m)$	
Power of a Quotient $\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}, b \neq 0$	
Zero Exponent $a^0 = 1, a \neq 0$	