Name:_____

Date:_____Pd_____

Exponent Laws Study Guide

Practice Problems	Answers
Evaluate $(-4)^2$	
Evaluate $\left(\frac{2}{3}\right)^0$	
Evaluate 5^{-3}	
Simplify $4^2 \cdot 5^2$	
Simplify $6^2 + 3^3$	
Simplify and **leave your answer in exponent form**. $5^7 \cdot 5^3$	
Simplify and **leave your answer in exponent form**. $2m^7 \cdot 3m^4$	

Simplify and **leave your answer in exponent form**. $(4^7)^3$	
Simplify and **leave your answer in exponent form**. $(9s^6)^2$	
Simplify and **leave your answer in exponent form**. $\frac{13^{20}}{13^5}$	
Simplify and **leave your answer in exponent form**. $\frac{36n^{10}}{12n^4}$	
Use the rules of exponents to fill in the blanks. $(4\text{m}^{\square})^3 = \square\,\text{y}^{15}$	
Write the steps for the 3 laws of exponents in your own words: 1) Product Rule: 2) Quotient Rule: 3) Power Rule:	