Lesson 18 (Part 1): Laws of Exponents--Multiplying Monomials

Monomial: a _____, _____, or _____ of a number and one or more variables

5	$p + d$	$\frac{c}{d}$	x	$\frac{abc^8}{5}$
○	○	○	○	○

Product of Powers:

$(x^2)(x^5)$

$x \cdot x \quad x \cdot x \cdot x \cdot x \cdot x$

$a^m \cdot a^n =$ _____

Same base → Sum

Power of a Power:

$(z^2)^3$

$z \cdot z \quad z \cdot z \quad z \cdot z$

$(a^m)^n =$ _____

Power) Power → Product

Power of a Product:

$(4ab)^2$

$4ab \cdot 4ab$

$4 \cdot 4 \cdot a \cdot a \cdot b \cdot b$

$(ab)^m =$ _____

"Distributive"

$(-2x^5)^3 (-5xy^6)^2$

QUESTIONS I NEED TO ASK IN CLASS: