



Name _____

Rule Hunt

Directions: Read each completed example.
Write the exponent property that was used.

Product of Powers	Power of a Product
Quotient of Powers	Power of a Quotient
Power of a Power	

1. $x^4 \cdot x^3 = x^7$	
2. $(m^3)^2 = m^6$	
3. $\frac{a^8}{a^5} = a^3$	
4. $(2b)^4 = 2^4 b^4$	
5. $\left(\frac{y}{z}\right)^3 = \frac{y^3}{z^3}$	
6. $n^2 \cdot n^5 = n^7$	
7. $(c^4)^3 = c^{12}$	
8. $\frac{p^9}{p^2} = p^7$	
9. $(5r)^2 = 5^2 r^2$	
10. $\left(\frac{x}{4}\right)^2 = \frac{x^2}{4^2}$	