

³ **TOPIC:** _____

EQ: _____

QUESTIONS: | **NOTES:**

Power of a Quotient:

$$\left(\frac{x}{y}\right)^a = \frac{x^a}{y^a}$$

<u>Problem</u>	<u>Simplify</u>
$\left(\frac{5}{6}\right)^2$	
$\left(\frac{y^2}{z^3}\right)^4$	
$\left(\frac{2x}{3y}\right)^3$	
$\left(\frac{4m^7}{5m^5}\right)^2$	

Examples

1. $\left(\frac{n^6}{2n^2}\right)^2$

2. $\left(\frac{a^3b}{3a^2}\right)^4$

3. $\left(\frac{4m^4}{m^5}\right)^3$