## Exponents: Zero & Quotient Rule Practice

Name:

Period:\_\_\_\_\_

For the following questions, please **show work** as to how you came up with your answers.

Simplify.

 $\frac{5^6}{5^2}$  $v^{25}$ 1. 2.  $\frac{y}{y^{12}}$ 

3. 
$$\frac{3^{17}}{3^{19}}$$
 4.  $\frac{h^7}{h^{15}}$ 

 $7^{0}$  $0^{0}$ 5. 6.

 $\frac{4^5 \bullet 4^8}{4^2 \bullet 4 \bullet 4^4}$ 7.

8. 
$$\frac{2^{-6} \bullet 2 \bullet 2^4}{2^0 \bullet 2^7 \bullet 2^{-10}}$$

$$\frac{y}{y^1}$$