

Name \_\_\_\_\_



## Properties In Order

**Directions:** Simplify each expression. Use the exponent properties in the correct order. Show your work if needed.

1.  $(x^2)^3 \cdot x^4$

2.  $\frac{(m^5)^2}{m^6}$

3.  $(2a)^2 \cdot a^3$

4.  $\left(\frac{y}{z}\right)^3 \cdot y^2$

5.  $\frac{(b^4)^2}{b^5}$

6.  $(3c)^2 \cdot c^4$

7.  $\frac{(n^3)^4}{n^5}$

8.  $(p^2)^2 \cdot p^5$

9.  $\frac{(4r)^3}{r}$

10.  $\left(\frac{h}{k}\right)^2 \cdot h^3$