

Name _____



Lawful Positives

Directions: Simplify each expression. Use the exponent laws carefully. Write your final answer with positive exponents only.

$$1) \frac{x^{-2} \cdot x^6}{x}$$

$$2) \frac{(a^{-2})^2 \cdot a^7}{a}$$

$$3) \frac{m^{-3} \cdot m^5}{m^{-2}}$$

$$4) \frac{(2b^{-1})^2 \cdot b^5}{b}$$

$$5) \frac{c^{-4} \cdot c^2 \cdot c^5}{c^3}$$

$$6) \frac{(p^3 q^{-2})^2}{pq^{-1}}$$

$$7) \frac{r^{-2} \cdot (r^4)^2}{r^3}$$

$$8) \frac{(x^{-1} y^3)^2}{x^2 y}$$

$$9) \frac{4u^{-3} v^2 \cdot 2u^5}{8v^{-1}}$$

$$10) \frac{(m^{-2} n^3)^2 \cdot m^5}{n^4}$$