

Rules of Exponents Day 3 GP

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.

1) $2xy^{-3} \cdot (yx^2)^2$

2) $(2x^3)^{-3} \cdot x^3y^3$

3) $\frac{m^2n^4}{4n^2 \cdot 3n^2}$

4) $\frac{4x^{-2}y^4 \cdot 3x^3y^0}{x^4y^{-4}}$

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

6) $\frac{2x^{-1}y^{-1}}{(y^4)^{-1}}$

7) $-\frac{x^4y^4}{(-2y^0)^3}$

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