

Name: \_\_\_\_\_

Basic Skills

Date: \_\_\_\_\_

Zero & Negative Properties of Exponents

Simplify and rewrite the expression with positive exponents.

1.  $4x^{-2}$

2.  $\frac{1}{3x^{-4}}$

3.  $x^3y^{-6}$

4.  $7x^{-5}y^{-1}$

5.  $\frac{1}{11x^{-2}y^5}$

6.  $(-12)^0y^{-2}$

7.  $(9)^2(x)^{-4}$

8.  $(2x^3y^{-8})^{-3}$

9.  $\frac{15}{5y^{-3}}$

10.  $\left(\frac{-12x^{-5}}{4x^{-5}}\right)^{-4}$

11.  $(4x^{-4}y^{-12})^{-5}$

12.  $\frac{-48x^{-6}y^4}{52x^9y^{-2}}$