

# NEGATIVE EXPONENTS

Simplify. Write your answers using only positive exponents. You may want to fold the answers under.

1.  $(2x^{-2}y)^{-3}$

2.  $7^{-2}$

3.  $(2x^{-3}y)^{-4}$

4.  $\frac{24x^3y^4z^{-1}}{36xy^{-2}z^4}$

5.  $(3x^2y^{-3})(-5x^{-7}y)$

6.  $\frac{(x^3)^{-1}(x^{-5})^{-2}}{(x^{-2})^{-3}}$

7.  $(2x^3y^5)^{-3}$

8.  $(-x^8y^{-6})(10x^{-3}y^{-1})$

9.  $\frac{6x^{-2}y^3z}{24x^{-1}yz^6}$

10.  $\left(\frac{-xy^{-5}z}{xy^3}\right)^{-5}$

## NEGATIVE EXPONENTS

Answers

1.  $\frac{x^6}{8y^3}$

2.  $\frac{1}{49}$

3.  $\frac{x^{12}}{16y^4}$

4.  $\frac{2x^2y^6}{3z^5}$

5.  $\frac{-15}{x^5y^2}$

6.  $x$

7.  $\frac{1}{8x^9y^{15}}$

8.  $\frac{-10x^5}{y^7}$

9.  $\frac{y^2}{4xz^5}$

10.  $\frac{-y^{40}}{z^5}$