Review Negative Exponents:
Take the reciprocal of base and change the sign of the exponent.

\[
\frac{x^{-2}}{y^3} = \quad \frac{x^{-3}}{y^{-2}} =
\]

Zero Exponent:

\[
x^0 = \quad (10x^2y^4)^0 =
\]

Simplify each of the following. Your answers should have no NEGATIVE exponents.

1. Multiply the exponents to get rid of parentheses.
2. Make all exponents positive.
3. Clean up.

1. \((3x^{-2}y^{-3}) (5xy^{-1})^{-3}\)
2. \(\frac{(3x^5y^{-4})^{-2}}{(2x^{-2}y^{-3})^3}\)
3. \(\left(\frac{5x^2y^{-5}}{8x^6y^{-12}}\right)^2\)
4. \(\left(\frac{6x^3y^{-2}}{9^0x^{-5}y^{-6}}\right)^{-3}\)