

STATION 3

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.**QUOTIENT RULE: Divide any coefficients that you can. Subtract the exponents with matching letters. Make sure to move any negative exponents to the bottom.**

1) $\frac{2x^3y^3}{2x^0y^{-1}}$

2) $\frac{4u^{-2}}{vu^{-4}}$

3) $\frac{vu^4}{3u^{-2}v^4}$

4) $\frac{4m^0n^{-1}}{4n}$

5) $\frac{2x^3y^4}{3x^3y^2}$

6) $\frac{y^4}{3x^0}$

7) $\frac{4b}{3a^0b^{-1}}$

8) $\frac{a^{-2}b^3}{3a^4b^{-2}}$

9) $\frac{2x^4y^4}{x^{-4}y^4}$

10) $\frac{3x}{4x^3y^4}$

11) $\frac{zx^0y^2}{4x^4y^2z^0}$

12) $\frac{2p^{-4}q^4r^4}{3p^3q^{-3}r^{-1}}$

13) $\frac{2qp^2r^2}{pr}$

14) $\frac{yx^4}{3xy^2z^{-2}}$

15) $\frac{3xy^0z^{-1}}{4xz^3}$