

STATION 1

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.**PRODUCT RULE- Multiply coefficients, add the exponents with the matching letters. Always put negatives on the bottom!!**

1) $4y^3 \cdot 2x^{-1}y^{-1}$

2) $2nm^{-4} \cdot 4m^4n^4$

3) $2y \cdot 3y^2 \cdot xy^2$

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

5) $4nm^0 \cdot 4m^{-2}$

6) $3m \cdot 3n^{-4}$

7) $4m^{-1}n^4 \cdot 4mn^{-3}$

8) $4x^3y^4 \cdot 4x^{-2}y^{-2}$

9) $mn^0 \cdot 4m^4n^0$

10) $2x^3y^3 \cdot 3x^{-2}y^0$

11) $3m^0q^0 \cdot 4q$

12) $3h^3j^{-1}k^0 \cdot 3h^2j^4k^3$

13) $2x^2y^0 \cdot 2xz$

14) $2x^0y^0 \cdot 2xy^4$

15) $4x^2y^2z^{-3} \cdot zx^2$