

GLO	/2
HW	/8

Name: _____

Date: _____ Pd: _____

Exponent Homework Product Law

Rewrite the following in SIMPLEST EXPONENT FORM.

Challenge(+1): Rewrite any expressions with a negative exponent so that the exponent becomes POSITIVE

When MULTIPLYING powers with the SAME BASE, we _____ the exponents.

1) $4^3 \cdot 4^6$	2) $x^{-3} \cdot x^{-2}$
3) $3x^8 \cdot 5x^7$	4) $-2x^3 \cdot 8^{-5}$
5) $15x^{10} \cdot x^9$	6) $4x^{12} \cdot 10x^{14}$
7) $6x^3y^2 \cdot 2xy^6$	8) $9x^2y^{-3} \cdot 4x^{-6}y^4$