

Name:

Date:

Topic:

Class:

Main Ideas/Questions	Notes/Examples	
<h2>Negative Exponents</h2>	Negative exponents can be rewritten using positive exponents using the NEGATIVE EXPONENT RULE: <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;"> $x^{-a} =$ </div>	
<h2>Examples</h2>	Directions: Rewrite each expression using positive exponents.	
	1. x^{-5}	2. $3m^{-2}$
	3. $-7a^4b^3$	
	Directions: Simplify each expression. Make sure final answers contain only positive exponents. (Hint- use the rules, then move variables at the end!)	
	4. $w^7 \cdot w^{-9}$	5. $4c^8d^{-3} \cdot 5c^{-5}d^{-1}$
	6. $6x^{-8} \cdot -3x^{-3}$	7. $(a^{-5}b^8c^{-12})(a^7b^{-3}c^7)$
	8. $(8p^5)^{-2}$	9. $(5y^2)^{-3}$
	10. $(3rs^{-3})^{-4}$	11. $(6x^5y^4)^{-2}$
	12. $\frac{h^2}{h^5}$	13. $\frac{c^{-2}d^{-1}}{c^7d^{-2}}$
	14. $\frac{14w^4}{7w^{-2}}$	15. $\frac{-10m^2n}{2m^3n^{-5}}$