M9 - 3.4 - Negative	Exponents HW		
Write with positive exponents			
$2^{-3} = \underbrace{\frac{1}{2^3}}_{2^3} = 0.125 = \frac{1}{2^3}$ Check Answer	3-4 =	6-2 =	
5 ⁻² =	9 ⁻² =	3 ⁻³ =	
$\frac{1}{2^{-3}} =$	$\frac{1}{7^{-2}} =$	$\frac{1}{4^{-1}} =$	
$\frac{1}{3^{-4}} =$	$\frac{1}{8^{-5}} =$	$\frac{1}{6^{-9}} =$	
$2x^{-2} =$	$\frac{1}{2x^{-2}} =$		
$2^{-3}x =$	$\frac{1}{2^{-3}x} =$		
$2^{-3}x^{-2} =$	$\frac{1}{2^{-3}x^{-2}} =$		
5	2		
$\frac{5}{2y^{-3}} =$	$\frac{x^2}{y^{-3}} =$		
$\frac{5}{3^{-2}y^{-3}} =$	$\frac{x^{-2}}{y^{-3}} =$		
$\frac{4}{(2x)^{-2}} =$	$\frac{a^{-2}}{(2y)^{-4}}$		
Write with negative exponents			
$2^3 = \frac{1}{2^3} =$	$= \frac{1}{2x^3} =$	$\frac{2}{x^3}$	

M9 - 3.4 - Negative	Exponents HW	,	
Write with Negative exponents			
	92	$5^4 \div 5^5 =$	
$\frac{6^2}{6^4} =$	$\frac{9^2}{9^3} =$	5 - 5 =	
	7		
$\frac{7}{7^2} =$	$\frac{7}{7^2} =$	$2^2 \div 2^5 =$	
Write with Positive exponents			
62	$\frac{9^2}{9^3}$ =	$5^4 \div 5^5 =$	
$\frac{6^2}{6^4} =$	93		
7	7	$2^2 \div 2^5 =$	
$\frac{7}{7^2}$ =	$\frac{7}{7^2}$ =	2 - 2 -	
Write with Positive exponents			
$\left(\frac{2}{3}\right)^{-2} =$	$\left(\frac{5}{7}\right)^{-4} =$	$\left(\frac{1}{2}\right)^{-3} =$	
$(\overline{3})$ –			
Write with Positive exponents			
	6^2	$8^3 \div 8^{-4} =$	
$\frac{5^{-3}}{5^2} =$	$\frac{6^2}{6^{-1}} =$	0 - 0 -	
9-4	$\frac{4}{4^2} =$	$7^{-2} \div 7^{-5} =$	
$\frac{9^{-4}}{9^{-3}} =$	42		
Write with Positive exponents			
$\frac{2x^{-2}}{y^{-4}} =$	$\frac{5x^2}{y^{-4}} =$	$\frac{5x^{-2}}{2y^4} =$	
y ⁻⁴ _	y ⁻⁴	29"	
$\frac{4a^{-3}}{b^{-4}} =$	$\frac{a^{-2}}{5b^{-5}} =$	$\frac{(6a)^{-2}}{b^5} =$	
b ⁻⁴	$5b^{-5}$		

Change to	positive exponents with	owest base	е.		
8-2=			g−2 _		
$\frac{1}{2}$	Muita vith Davitiva Fu		$(2^3)^{-2}$	Change of Base	
8 ² 1	Write with Positive Exp	onents	2-6	Multiply Exponents	
$(2^3)^2$	Change of Base	$\bigcap R$	$ 8^{-2} = (2^3)^{-2} \\ 2^{-6} \\ \hline 2^6 $	Main with Decitive Forest	
$ \frac{\frac{1}{8^2}}{1} $ $ \frac{1}{(2^3)^2} $ $ \frac{1}{2^6} $	NA. Itisky Evys av anta		$\binom{2^{6}}{}$	Write with Positive Exponents	
(2)	Multiply Exponents				
	$8^{-2} = 0.01$	$15625 = \frac{1}{2}$	Cł	neck Answer	
Change to	negative exponents with	lowest bas	e.		
	Neg	ative Laws	1		
$\frac{1}{2} = \frac{1}{2^1}$			$\frac{1}{81} = \frac{1}{3^4}$	$\frac{1}{9} = \frac{1}{3^2} = 3^{-2}$	
1	Change of Base	$\frac{1}{2^1} = 2^{-1}$	1	9 32	
$\overline{2^1}$	Multiply Exponents		34	Change of Base	
$\left(2^{-1}\right)$	Water to the Baltiman of			Negative Laws Multiply Exponents	
	Write with Positive E	xponents	(3^{-4})	Widtiply Exponents	
2				Write with Positive Exponents	
$\left(\frac{1}{25}\right)^2 = \left(\frac{1}{5^2}\right)^2$			$\left(\frac{1}{25}\right)^2 = \frac{1^2}{25^2}$	=	
$(23)^2$		OR	12		
$(\overline{5^2})$	Change of Base		$\overline{25^2}$	Multiply Exponents	
$(5^{-2})^2$	Negative Laws Multiply Exponents		$\frac{1}{(5^2)^2}$	Change of Base	
			$\frac{(5^2)^2}{1}$	Change of Base Multiply Exponents Again	
			$\overline{5^4}$ $\overline{5^{-4}}$	Negative Laws	
Change to	positive exponents with l	owest base			
$27^{-2} =$		$25^{-2} =$		64 ⁻¹ =	
4.5-2		4-2			
$16^{-3} =$		$4^{-3} =$		243 ⁻² =	
Change to	negative exponents with	lowest bas	se.		
				2	
$\left(\frac{1}{9}\right)^3 =$		$\left(\frac{1}{2}\right)^{-4} =$		$\left(\frac{4}{9}\right)^{-3}$	
(9)		(2)		(9)	