


Negative Exponents Operations

Directions: Find the correct answer. Use your answer to navigate through the maze. Show your work.

START $x^{-2} \times x^5 =$	$2^3 \times 2^{-1} =$	$\frac{x^{-2} \times x^{-5}}{x^{-10}} =$	$\frac{2x^{-1}}{2^{-2}x} =$
x^3	4	$\frac{1}{x^2}$	
x^{-3}	$\frac{2}{8}$	$\frac{1}{x^3}$	8
$\frac{3^{-3}}{3^{-4} \times 3} =$	$\frac{2x^6 \times 3x^8}{12x^3} =$	$\frac{x^6 \times x^{-12}}{x^{-3}} =$	$x^{-12} \div x^{12} =$
0	$\frac{1}{x^3}$	1	
1	$\frac{27}{x^5}$	$\frac{xy^4}{4}$	$\frac{1}{x^{24}}$
$\frac{10^3 \times 10^2}{10^{-5}} =$	$\frac{3^{-1}x^4}{9^{-2}x^{-1}} =$	$\frac{(x^2y)^{-2}}{4x^{-3}y^{-2}} =$	$(\sqrt[3]{6x^{-2}})^3 =$
$\frac{x^4}{27}$	$27x^5$	$\frac{1}{4x}$	
10^{10}	$\frac{1}{x^8}$	$\frac{y}{4x^2}$	$\frac{6}{x^6}$
$\left(\frac{2x^5}{x^4}\right)^2 =$	$\left(\frac{(x^{-3})^{-2}}{x^2}\right)^{-1} =$	$\left(\frac{3x}{5}\right)^{-2} =$	
$4x^2$	x^8	$\frac{25x^2}{9}$	