


## Negative Exponents

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

<p><b>START</b></p> $2x^{-2}y^{-5} =$	$(3x^2y^4)^{-2} =$	$2^{-4}x =$	$\frac{16^{-1}}{2^{-2}} =$
$\frac{2}{x^2y^5}$	$\frac{1}{9x^4y^8}$	$\frac{x}{16}$	
$2x^2y^5$	$\frac{x^4y^8}{9}$	$16x$	$8$
$\frac{6^3}{6^0} =$	$2^4x^{-9} =$	$\frac{1}{6x^{-1}y^4} =$	$1^{-12}x^{12} =$
$36$	$\frac{6x}{y^4}$	$6xy^4$	
$216$	$\frac{16}{x^9}$	$\frac{xy^4}{6}$	$x^{12}$
$\frac{10^{-3}}{10^{-5}} =$	$\frac{9^{-1}x^{-4}}{3^{-2}y^{-4}} =$	$(\sqrt[3]{xy})^{-3} =$	$\sqrt[3]{27}x^{-2} =$
$\frac{y^4}{x^4}$	$\frac{3x^4}{y^4}$	$xy$	
$100$	$\frac{x^4}{3y^4}$	$\frac{7}{x^2}$	$\frac{3}{x^2}$
$\frac{10^{-2}}{0.3^{-1}} =$	$9^0x^{-16} =$	$(\sqrt{7x})^{-2} =$	
$0.003$	$\frac{1}{x^{16}}$	$\frac{1}{7x^2}$	
			<p><i>Good Job!</i></p>  <p><i>The End</i></p>