

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}

$\frac{1}{8}$

$\frac{2}{8}$

x^3

$\frac{1}{x^3}$

$\frac{8}{x^2}$

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

$\frac{x^{11}}{2}$

$\frac{27}{x^5}$

$\frac{x}{6y^4}$

$\frac{xy^4}{4}$

$-x^{24}$

$\frac{1}{x^{24}}$

$\frac{10^3 \times 10^2}{10^{-5}} =$

$\frac{3^{-1}x^4}{9^{-2}x^{-1}} =$

$\frac{(x^2y)^{-2}}{4x^{-3}y^{-2}} =$

$(\sqrt[3]{6x^{-2}})^3 =$

$\frac{x^4}{27}$

$27x^5$

$\frac{1}{4x}$

10^{10}

10

$\frac{1}{x^8}$

$\frac{25}{9x^2}$

$\frac{y}{4x^2}$

$\frac{xy}{4}$

$\frac{6}{x^6}$

$\left(\frac{2x^5}{x^4}\right)^2 =$

$\left(\frac{(x^{-3})^{-2}}{x^2}\right)^{-1} =$

$\left(\frac{3x}{5}\right)^{-2} =$

$4x^2$

x^8

$\frac{25x^2}{9}$

Good Job!

The End