

Rules:

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Examples:

$\frac{27x}{54x^2}$	$\frac{2a^3b^5}{ab}$	$\frac{1}{3}x^{-6}$
$\frac{14x^5}{7x^3}$	$\frac{2}{y^{-3}z^2}$	$\frac{a^{-4}}{b^3c^{-2}}$

Examples continued:

$\left(\frac{2x}{6y^2}\right)^{-2}$	$\frac{(a^3b^4)^3}{ab^{22}}$	$\left[\frac{1}{3}x^{-6}\right]^3$
$\frac{3(x^5)^2}{12x^{30}}$	$\left(\frac{-yz}{y^{-3}z^2}\right)^{-4}$	$\frac{a^4}{(b^3c^{-2})^{-1}}$

Name the Exponent Law (Rule) and simplify using the rule:

$(2^3)^4$	$b^2 \times b$	-100^0	$\frac{x^5}{x^3}$	$2x^{-2}$