



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$\frac{2x^5(x^{-3})^{-3}}{2x^2(x^4)^2}$$

$$7x^7(x^{-3})^5$$

$$7x^{(-2)}(x^6)^{(-2)}$$

$$7x^{(-5)}(x^4)^{(-3)}x^{(-3)}$$

$$\frac{4x^7(x^6)^{(-3)}}{5x^{(-1)}(x^{(-2)})^2}$$

$$4x^3(x^3)^{(-2)}x^{(-2)}$$

$$\frac{9x^{(-5)}(x^3)^3}{4x^3(x^2)^{(-3)}}$$

$$\frac{5x^{(-7)}(x^4)^6}{2x^3(x^4)^{(-2)}}$$

$$\frac{7x^2(x^5)^{(-2)}}{2x^2(x^{(-3)})^2}$$

$$\frac{x^{(-8)}(x^2)^6}{3x^{(-3)}(x^3)^{(-2)}}$$



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$\frac{2x^5(x^{-3})^{-3}}{2x^2(x^4)^2}$$

x^4

$$7x^7(x^{-3})^5$$

$\frac{7}{x^8}$

$$7x^{(-2)}(x^6)^{-2}$$

$\frac{7}{x^{14}}$

$$7x^{(-5)}(x^4)^{-3}x^{(-3)}$$

$\frac{7}{x^{20}}$

$$\frac{4x^7(x^6)^{-3}}{5x^{(-1)}(x^{(-2)})^2}$$

$\frac{4}{5x^6}$

$$4x^3(x^3)^{-2}x^{(-2)}$$

$\frac{4}{x^5}$

$$\frac{9x^{(-5)}(x^3)^3}{4x^3(x^2)^{-3}}$$

$\frac{9}{4}x^7$

$$\frac{5x^{(-7)}(x^4)^6}{2x^3(x^4)^{-2}}$$

$\frac{5}{2}x^{22}$

$$\frac{7x^2(x^5)^{-2}}{2x^2(x^{-3})^2}$$

$\frac{7}{2x^4}$

$$\frac{x^{(-8)}(x^2)^6}{3x^{(-3)}(x^3)^{-2}}$$

$\frac{x^{13}}{3}$