



Simplifying Exponent Expressions

Name: _____

Date: _____ Score: _____

$$4x^6(x^4)^{-2}x^3$$

$$4x^{(-7)}(x^{(-2)})^4x^{(-2)}$$

$$5x^2(x^6)^5x^3$$

$$4x^2(x^4)^6$$

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

$$2x^7(x^4)^6x^3$$

$$3x^3(x^6)^6$$

$$3x^{(-9)}(x^{(-2)})^{(-2)}x^{(-3)}$$

$$\frac{8x^{(-6)}(x^3)^{(-3)}}{6x^{(-2)}(x^4)^4}$$

$$\frac{8x^{(-9)}(x^{(-3)})^6}{x^3(x^{(-3)})^4}$$