Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

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

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

$4x^{(-7)}(x^{(-3)})^6x^3$

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

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

$2x^{(-3)}(x^2)^5x^{(-2)}$

$8x^4(x^{(-2)})^{(-1)}$

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

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

$\frac{8x^4(x^{(-3)})^5}{5x^2(x^2)^2}$

Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

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

$\frac{7}{x^{15}}$

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

$\frac{1}{2x^{22}}$

$4x^{(-7)}(x^{(-3)})^6x^3$

$\frac{4}{x^{22}}$

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

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

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

x^{29}

$2x^{(-3)}(x^2)^5x^{(-2)}$

$2x^5$

$8x^4(x^{(-2)})^{(-1)}$

$8x^6$

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

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

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

$\frac{8}{x^{22}}$

$\frac{8x^4(x^{(-3)})^5}{5x^2(x^2)^2}$

$\frac{8}{5x^{17}}$