Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

$9x^{(-1)}(x^{(-3)})^3x^3$

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

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

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

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

$\frac{x^7(x^{(-3)})^{(-2)}}{8x^{(-3)}(x^3)^3}$

$4x^6(x^5)^4x^{(-1)}$

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

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

$\frac{8x^{(-8)}(x^5)^3}{7x^{(-3)}(x^{(-2)})^4}$

Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

$9x^{(-1)}(x^{(-3)})^3x^3$

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

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

x^6

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

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

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

$\frac{9}{x^{10}}$

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

x^4

$\frac{x^7(x^{(-3)})^{(-2)}}{8x^{(-3)}(x^3)^3}$

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

$4x^6(x^5)^4x^{(-1)}$

$4x^{25}$

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

$\frac{9}{2}x^{11}$

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

$4x^{13}$

$\frac{8x^{(-8)}(x^5)^3}{7x^{(-3)}(x^{(-2)})^4}$

$\frac{8}{7}x^{18}$