Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

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

$8x^7(x^{(-3)})^{(-3)}$

$9x^{(-6)}(x^5)^3x^2$

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

$\dfrac{7x^9(x^6)^6}{2x^{(-1)}(x^3)^2}$

$4x^9(x^6)^6$

$2x^{(-1)}(x^2)^3$

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

$5x^4(x^3)^5$

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

Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

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

$4x^{14}$

$8x^7(x^{(-3)})^{(-3)}$

$8x^{16}$

$9x^{(-6)}(x^5)^3x^2$

$9x^{11}$

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

$\dfrac{x^{35}}{3}$

$\dfrac{7x^9(x^6)^6}{2x^{(-1)}(x^3)^2}$

$\dfrac{7}{2}x^{40}$

$4x^9(x^6)^6$

$4x^{45}$

$2x^{(-1)}(x^2)^3$

$2x^5$

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

$\dfrac{5}{3x^6}$

$5x^4(x^3)^5$

$5x^{19}$

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

$\dfrac{2}{x^{11}}$