Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

$\frac{6x^{(-7)}(x^6)^3}{8x^{(-1)}(x^4)^{(-2)}}$

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

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

$8x^{(-1)}(x^{(-2)})^3$

$2x^{(-1)}(x^6)^4$

$6x^4(x^2)^4x^{(-1)}$

$9x^{(-5)}(x^{(-3)})^4x^{(-1)}$

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

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

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

Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

$\dfrac{6x^{(-7)}(x^6)^3}{8x^{(-1)}(x^4)^{(-2)}}$

$\frac{3}{4}x^{20}$

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

$\dfrac{3}{x^{21}}$

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

$9x^8$

$8x^{(-1)}(x^{(-2)})^3$

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

$2x^{(-1)}(x^6)^4$

$2x^{23}$

$6x^4(x^2)^4x^{(-1)}$

$6x^{11}$

$9x^{(-5)}(x^{(-3)})^4x^{(-1)}$

$\dfrac{9}{x^{18}}$

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

$6x^{27}$

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

$\dfrac{x^2}{3}$

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

$\dfrac{4}{x^4}$