Simplifying Exponent Expressions

Name: _____ Date: _____ Score: _____

$\dfrac{3x^8(x^2)^6}{3x^3(x^2)^2}$

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

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

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

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

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

$5x^{(-1)}(x^5)^2$

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

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

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

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Name: _____ Date: _____ Score: _____

$\dfrac{3x^8(x^2)^6}{3x^3(x^2)^2}$

x^{13}

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

$4x^{11}$

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

$\dfrac{2}{7}x^5$

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

$7x^{23}$

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

$\dfrac{1}{x^{19}}$

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

$6x^{24}$

$5x^{(-1)}(x^5)^2$

$5x^9$

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

$\dfrac{2}{9}x^{22}$

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

$7x^{16}$

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

$\dfrac{8}{x^2}$