

CUMULATIVE EXPONENT PRACTICE

$$(1.1) \quad 3^{-3}$$

$$(1.2) \quad 2^{-5}$$

$$(1.3) \quad \frac{1}{4^{-2}}$$

$$(1.4) \quad 8^0(2^{-3})$$

$$(1.5) \quad 3^5(3^{-4})$$

$$(1.6) \quad 5^{-7}(5^9)$$

$$(1.7) \quad 9^5(9^{-5})$$

$$(1.8) \quad -4(-4)^{-3}$$

$$(1.9) \quad \frac{3^0}{2^{-3}}$$

$$(1.10) \quad (2^3)^{-2}$$

$$(1.11) \quad (6^{-1})^2$$

$$(1.12) \quad (-2^3)^{-1}$$

$$(2.1) \quad x^{-8}$$

$$(2.2) \quad 3x^{-5}$$

$$(2.3) \quad \frac{1}{7x^{-2}}$$

$$(2.4) \quad \frac{9}{x^{-4}}$$

$$(2.5) \quad 8x^{-7}y^{-8}$$

$$(2.6) \quad \frac{1}{6x^{-4}y^{-3}z^5}$$

$$(2.7) \quad \frac{3x^0}{y^{-3}}$$

$$(2.8) \quad (4x)^{-2}$$

$$(2.9) \quad (-2x)^{-4}$$

$$(2.10) \quad \frac{1}{(3x)^{-3}}$$

$$(2.11) \quad (5x)^0y^{-2}$$

$$(2.12) \quad (2x)^{-2}(3y^5)$$

$$(3.1) \quad \frac{7^5}{7^3}$$

$$(3.2) \quad \frac{6^5}{6^7}$$

$$(3.3) \quad \frac{18^6}{18^6}$$

$$(3.4) \quad \frac{(-5)^9}{5^9}$$

$$(3.5) \quad \frac{2^3}{2^{-4}}$$

$$(3.6) \quad \frac{4^5(4^3)}{4^6}$$

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$$(3.7) \quad \frac{3^2(3^4)}{3^9}$$

$$(3.8) \quad \left(\frac{2}{3}\right)^3$$

$$(3.9) \quad \left(\frac{4}{5}\right)^2$$

$$(3.10) \quad \left(-\frac{1}{2}\right)^5$$

$$(3.11) \quad \left(\frac{11}{3}\right)^{-1}$$

$$(3.12) \quad \left(\frac{3}{2}\right)^{-2}$$

$$(4.1) \quad \left(\frac{x}{3}\right)^4$$

$$(4.2) \quad \frac{x^7}{x^2}$$

$$(4.3) \quad \left(\frac{2}{x}\right)^6$$

$$(4.4) \quad x^5\left(\frac{1}{x^8}\right)$$

$$(4.5) \quad x^{12}\left(\frac{1}{x^3}\right)$$

$$(4.6) \quad \frac{2x^2y}{x^3y^2}\left(\frac{4x^7y^2}{2x^3}\right)$$

$$(4.7) \quad \frac{3xy^4}{2x^5y}\left(\frac{6x^{-3}y^2}{4y}\right)$$

$$(4.8) \quad \frac{-8x^6y^{-3}}{3x^{-2}y^{-5}}\left(\frac{-6x^{-10}y}{-4x}\right)$$

$$(4.9) \quad \frac{4x^{-2}y^{-1}}{3x^{-3}}\left(\frac{6x^{-3}y^{-2}}{8y^{-7}}\right)$$

$$(4.10) \quad \frac{(4x^2y^3)^{-1}}{3y}\left(\frac{(2xy^2)^2}{x^{-3}}\right)$$

$$(4.11) \quad \left(\frac{2x^2y}{3y}\right)^{-3}\left(\frac{4y^3}{x^4}\right)^2$$