

$$(-x^3)(-y^6)$$

$$x^3y^6$$

$$(2e)^3$$

$$8e^3$$

8.3 Quotients

$$\frac{10}{5} \quad \frac{\text{Dividend}}{\text{Divisor}}$$

$$5 \overline{)10}^2$$

$$\begin{array}{r} \cancel{10} : 2 \\ \hline \cancel{10} \end{array}$$

2

$$\frac{3^4}{3^1}$$

$$\frac{\cancel{3} \cdot 3 \cdot 3 \cdot 3}{\cancel{3}}$$

$$3^3$$

$$3^3$$

$$27$$

$$\frac{3^4}{3^1}$$

$$3^{4-1}$$

$$3^3$$

Subtract
Exponents

$$\frac{x^4}{x^1}$$

$$\frac{\cancel{1x} \cdot x \cdot x \cdot x}{\cancel{1x}}$$

$$x^3$$

$$x^3$$

$$x^{4-1}$$

$$x$$

$$\frac{8a^5b^2c^2}{2abc}$$

$$4a^4c$$

$$\left(\frac{3xy^2}{5z}\right)^2$$

$$\frac{9x^2y^4}{25z^2}$$

$$\left(\frac{10x^4y^2z}{5x^3yz}\right)^2$$

$$\frac{100x^8y^4z^2}{25x^6y^2z^2}$$

$$z^0 = 1$$

$$(2xy)^2$$

$$4x^2y^2$$

$$4x^2y^2$$

$$\left[\frac{(6x^5)}{(xyz)^2} \right]^2$$

$$\left[\frac{6x^5}{\cancel{x}y^2z^2} \right]^2$$

$$\left[\frac{6x^3}{y^2z^2} \right]^2$$

$$\frac{36x^6}{y^4z^4}$$

$$\frac{W^r y^{2t}}{W^1 y^t}$$

$$W^{r-1} y^{2t-t}$$

$$W^{r-1} y^t$$

$$\frac{W^5 y^6}{W^1 y^3}$$

$$W^{5-1} y^{6-3}$$

$$W^4 y^3$$

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$$\left(\frac{10^x}{y^3} \right)^2$$

$$\frac{10^{2x}}{y^6}$$

$$(z^3)^2$$

$$z^6$$

$$\frac{(10^x)^2}{10^{2x}}$$