

Extra Division Problems

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

$$\frac{-64x^{12}y^9z^9}{32x^{10}y^5z^{15}}$$

$$\frac{-2x^2y^4}{z^6}$$

$$\frac{81x^{12}y^4z^8}{(3x^4y^3z^2)^3}$$

$$\frac{81x^{12}y^4z^8}{27x^{12}y^9z^6}$$

$$\frac{3z^2}{y^5}$$

$$\left(\frac{-3x^5y^3}{x^4y^2}\right)^3 \cdot \left(\frac{x^6y^2}{9x^4y}\right)^2$$

$$(-3xy)^3 \cdot \left(\frac{x^2y}{9}\right)^2$$

$$-27x^3y^3 \cdot \frac{x^4y^2}{81}$$

$$\frac{-x^7y^5}{3}$$

$$\left(\frac{36x^9y^8z^5}{3x^7y^3}\right)^2 \cdot \left(\frac{x^6y^5z^2}{3x^5y^2}\right)^3$$

$$(12x^2y^5z^5)^2 \cdot \left(\frac{xy^3z^2}{3}\right)^3$$

$$144x^4y^{10}z^{10} \cdot \frac{x^3y^9z^6}{27}$$

$$\frac{16x^7y^{19}z^{16}}{3}$$

$$\left(\frac{81x^5 y^6 z^4}{27x^5 y^4 z^3}\right)^3 \cdot \left(\frac{24x^8 y^3 z^4}{6x^{11} y^5 z^4}\right)^2 \cdot \frac{1}{(12y^4 z)^2}$$

$$(3y^2 z)^3 \cdot \left(\frac{4}{x^3 y^2}\right)^2 \cdot \frac{1}{144y^8 z^2}$$

$$\overset{3}{27} y^6 z^3 \cdot \frac{\overset{1}{16}}{x^6 y^4} \cdot \frac{1}{\underset{9}{144} y^8 z^2}$$

$$\frac{3y^6 z^3}{x^6 y^{12} z^2}$$

$$\frac{3z}{x^6 y^6}$$