

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

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

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

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

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