

Warm Up

Simplify the expression.

$$1) \frac{16x^3y}{-4xy^3} \cdot \frac{-2xy}{x} = \frac{-32x^4y^2}{-4x^2y^3}$$

$$= \frac{8x^2y^{-1}}{1}$$

$$= \frac{8x^2}{y} = \frac{8x^2}{y}$$

$$2) \left(\frac{2m^3n^4}{3mn} \right)^3 = \frac{2^3m^9n^{12}}{3^3m^3n^3}$$

$$= \frac{8m^9n^{12}}{27m^3n^3} = \frac{8}{27}m^6n^9$$

$$= \frac{8m^6n^9}{27}$$

Homework Questions?

47.

~~$$\left(\frac{6a}{b^2} \right)^3 = \frac{6^3a^3}{b^2 \cdot 3}$$

$$= \frac{6a^3}{b^6}$$~~

$$\frac{6^3a^3}{b^6}$$

$$\frac{216a^3}{b^6}$$

$$30. \underbrace{x^3} \cdot \frac{1}{x^2}$$

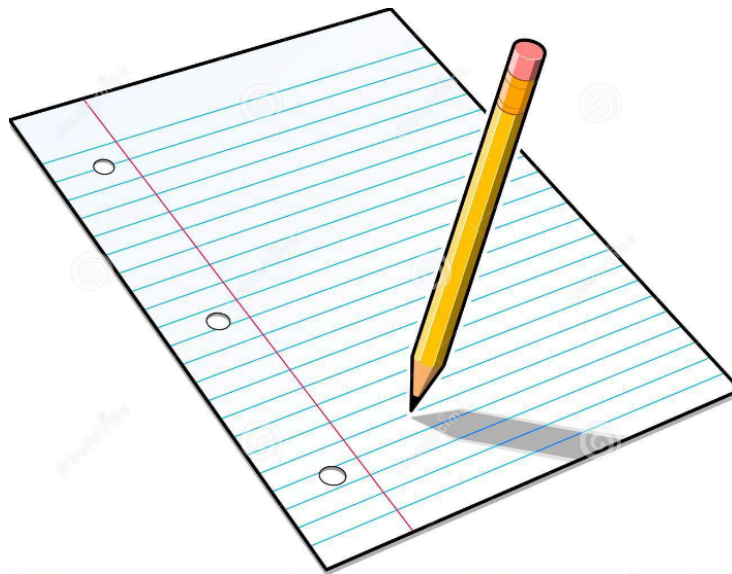
$$\left(\frac{x^3}{x^2} \right) = x^1$$

x

$$31. \frac{1}{x^8} \cdot \underbrace{x^5}$$

$$\left(\frac{x^5}{x^8} \right)$$
$$\frac{1}{x^3}$$

Take out a Piece of Paper



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p.466 #49-57 odd

& Partner Review Activity