

Warm Up - week 11 (Mon: NO SCHOOL)

Simplify the expression.

$$1) \left(\frac{2x^3y^4}{3xy} \right)^3 = \frac{2^3x^9y^{12}}{3^3x^3y^3} = \frac{8x^6y^9}{27}$$

$\frac{8}{27} x^6 y^9$

$$2) \frac{4x^3y^3}{2xy} \cdot \frac{5xy^2}{2y} = \frac{20x^4y^5}{4xy^2} = 5x^3y^3$$

Homework Questions?

$$46. \frac{6x^{-2}y^2}{xy^{-3}} \cdot \frac{(4x^2y)^{-2}}{xy^2}$$

$$\frac{6x^{-2}y^2}{xy^{-3}} \cdot \frac{4^{-2}x^{-4}y^{-2}}{xy^2} = \frac{6x^{-6}y^0}{4^2x^2y^{-1}}$$

$$= \frac{6x^{-8}y^{-1}}{16} = \frac{6}{16x^8y^1}$$

$$48. \left(\frac{2xy^{-2}y^4}{3x^{-1}y} \right)^{-2} \cdot \left(\frac{4xy}{2x^{-1}y^{-3}} \right)^2$$

$$-2 = -8$$

$$\frac{2^{-2}x^{-2}y^4y^{-8}}{3^{-2}x^2y^{-2}}$$

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

$$= \frac{3^2 \cdot x^0 y^{-2} \cdot 16}{2^2 \cdot x^0 y^{-8} \cdot 4}$$

$$= \frac{144y^6}{16} = 9y^6$$

$$44. \frac{36a^8b^2}{ab} \cdot \left(\frac{6}{ab^2} \right)^{-1}$$

$$\frac{36a^8b^2}{ab} \cdot \frac{ab^2}{6} = \frac{36a^9b^4}{6ab}$$

$$42. \frac{16x^3y}{-4xy^3} \cdot \frac{2xy}{-x^{-1}}$$

$$\frac{-p^6}{2}$$

$$\frac{16x^3y}{-4xy^3} \cdot \frac{-2xy}{-x^{-1}} = \frac{-32x^4y^2}{4x^0y^3}$$

$$= \frac{-8x^4y^{-1}}{1}$$

$$\frac{-1p^6}{2}$$

8.1-8.2 Quiz

Out of 25 points

A - 22.5

B - 20

C - 17.5

D - 15

- 1) Finish Book Assignment From Thursday
- 2) 8.3 wkst (Show work on Separate Sheet)
& put Final Answers on the wkst