

Class Time Examples

Date _____

Simplify. Your answer should contain only positive exponents.

1) $nm^4 \cdot (m^0n^2)^{-3}$

2) $(-u^{-2}v^4 \cdot u^3v^2 \cdot 2u^0v^2)^{-3}$

3) $(-2yx^4 \cdot -y^3)^{-2}$

4) $(-2x^4y^0 \cdot -x^0y^3)^{-4}$

5) $(-2a^{-4})^{-1} \cdot b^0$

6) $(-2u^{-1}v^3 \cdot 2u)^2$

7) $(2x^{-2})^3 \cdot -2x^{-4} \cdot yx^{-2}$

8) $2m^{-2} \cdot (-2n^2)^2$

Answers to Class Time Examples

$$1) \frac{m^4}{n^5}$$

$$5) -\frac{a^4}{2}$$

$$2) -\frac{1}{8v^{24}u^3}$$

$$6) 16v^6$$

$$3) \frac{1}{4y^8x^8}$$

$$7) -\frac{16y}{x^{12}}$$

$$4) \frac{1}{16x^{16}y^{12}}$$

$$8) \frac{8n^4}{m^2}$$



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