

Class Time Examples

Date _____

Simplify. Your answer should contain only positive exponents.

1) $(2u^3v^2)^2 \cdot 2u^2v^3$

2) $(2xy)^4 \cdot -2x^3y^4$

3) $-2y^4 \cdot (xy^3)^4$

4) $(a^0b^2)^4 \cdot (-2b^0)^2$

5) $(2u^3v^3)^2 \cdot (-v^2)^4$

6) $-ba^0 \cdot (ba^4 \cdot -2a^0)^0$

7) $(-m^0n^4)^2 \cdot (nm^3)^4 \cdot -2mn^2$

8) $(-yx^2)^4 \cdot xy$

Answers to Class Time Examples

1) $8u^8v^7$
5) $4u^6v^{14}$

2) $-32x^7y^8$
6) $-b$

3) $-2y^{16}x^4$
7) $-2n^{14}m^{13}$

4) $4b^8$
8) y^5x^9

