

7-3 More Multiplication Properties of Exponents

Simplify each expression completely. Leave your answer in fraction form, if necessary. (1 pt each)

1. $(a^2)^6$

2. $(a^{-2})^3$

3. $(x^{-3})^{-4}$

4. $(2a^{-7})^3$

5. $(6x^{-4})^{-2}$

6. $(n^3)^3(2n^{-1})^{-4}$

7. Simplify each expression. Write your answer in scientific notation.

a. $(4 \times 10^5)^4$

b. $(4 \times 10^{-5})^6$

(2)

(2)