

Math 0030 January 8, 2007 Homework 1

Textbook: 6.1 # 1-113 alt odds

Simplify the following:

1) $x^3x^5x^7$

2) $(3x^2)^3$

3) $\frac{3x^2y^6}{6x^8y}$

4) $(x^2y^{-5})^{-3}$

5) $\frac{(4x^2y)^2}{(x^7y^{-3})^3}$

Convert to scientific notation:

6) 0.00000000000076

7) 3,141,590,000,000,000,000,000,000,000.

Convert to a decimal:

8) 7.89×10^{-4}

9) 3.05×10^9