

BE-1B | TUESDAY 4-1-08

Express in Standard Notation:

① 7.48×10^{-3}

② 2.19×10^5

Express in proper Scientific Notation

③ 0.000000672

④ 3,022,000,000,000

⑤ 506×10^8

⑥ 24×10^{-5}

• Homework Review Pg 428 # 2, 4 to 11.

Multiplication & Division with Scientific Notation

Recall the following exponent rules:

$$MR \Rightarrow a^m a^n = a^{m+n}$$

$$DR \Rightarrow \frac{a^m}{a^n} = a^{m-n}$$

Ex 4
Pg 427

$$(5 \times 10^{-8})(2.9 \times 10^2)$$
$$(5)(2.9) \times 10^{-8+2}$$
$$14.5 \times 10^{-6}$$
$$\boxed{1.45 \times 10^{-5}}$$

Ex 1

$$\frac{6 \times 10^{14}}{2 \times 10^3} = \frac{6}{2} \times 10^{14-3}$$
$$= \boxed{3 \times 10^{11}}$$

Practice: Pg 428 # 12 - 15

Review $\Rightarrow$ Graded $\Rightarrow$ Quiz 1
 $\Rightarrow$ Homework 1

Homework: Pg 428 # 18-21, 26-33, 44-47.