

BE-1B MONDAY 10-23-06

- ① DEFINE MONOMIAL.
- ② WHICH ARE MONOMIALS, WHICH ARE NOT? WHY
 - Ⓐ 4 Ⓒ $8x^3$ Ⓔ xy
 - Ⓑ $\frac{x}{y}$ Ⓓ x Ⓕ $x+y$
- ③ IS THIS RELATIONSHIP A FUNCTION?
 $(1, 3), (2, -6), (3, 5), (1, 3), (4, 5)$
- ④ WHAT IS THE SLOPE OF A HORIZONTAL LINE?
- ⑤ HOW DO THE SLOPES OF PARALLEL LINES COMPARE?

①

Ch. 8-3 (CONTINUED)

MULTIPLYING & DIVIDING WITH SCIENTIFIC NOTATIONEx 4:5 Pg 427 $\Rightarrow$ Express answer in
Scientific AND Standard Notation

④ $(5 \times 10^{-8})(2.9 \times 10^2)$

$= 5 \cdot 2.9 \times 10^{-8+2}$

$= 14.5 \times 10^{-6}$

2
smaller
BY 11
must make bigger BY 1

$= \boxed{1.45 \times 10^{-5} = 0.0000145}$

SCIENTIFIC

STANDARD

You just MULTIPLIED

$(290)(.00000005)$

MUCH EASIER WITH Sci. Not. !

(2)

$$\text{Ex) } \frac{6.4 \times 10^9}{2.0 \times 10^4}$$

$$= \frac{6.4}{2.0} \times 10^{9-4}$$

$$= \boxed{3.2 \times 10^5} \text{ or } \boxed{320000}$$

SCIENTIFIC STANDARD

EX 5
PG 427

$$\frac{1.2789 \times 10^9}{5.22 \times 10^5}$$

$$= \left(\frac{1.2789}{5.22} \right) \times 10^4$$

$$= .245 \times 10^4$$

→ ONE PLACE
BIGGER

↑
MUST MAKE 1 PLACE SMALLER

$$\boxed{2.45 \times 10^3} \text{ or } \boxed{2450}$$

SCIENTIFIC STANDARD

Pg. 428-429

40 to 57

HW: Read 8-3

• Finish 40-57
