

Ch. 8. S.N. Review

March 08, 2007

for Test

You Need a Calculator!

Test Tomorrow

Q7^A

$$(\underline{2} \times 10^{\underline{3}}) (\underline{3} \times 10^{\underline{8}})$$

$$= \underline{\underline{6 \times 10^{11}}}$$

34 A

$$(\underline{12} \times 10^{\underline{-3}})(\underline{3} \times 10^{\underline{-6}})$$

$$= \underline{36} \times 10^{-3}$$

$$= \underline{\underline{3.6 \times 10^{-2}}}$$

21⁺ | # → S.N.

564200

5.642 × 10⁵

16^A) S.N. → #

8.497 × 10⁻³

008497

30A)

$$(\underline{4} \times 10^{-\cancel{4}}) (\underline{2} \times 10^{-\cancel{5}})$$

$$\underline{\underline{8 \times 10^{-1}}}$$

19B

$$(\underline{5} \times 10^{\underline{-3}}) \cdot (\underline{3} \times 10^{\underline{6}})$$

$$= \underline{15} \times 10^3$$

$$= \underline{\underline{15 \times 10^4}}$$

→ S.N.

18 B

7,960,000,000

$$= \underline{\underline{796 \times 10^9}}$$

24B

$$\frac{7.7 \times 10^{-4}}{1.1 \times 10^{-1}} = \underline{\underline{7 \times 10^{-3}}}$$

$$-4 - -1 = -3$$

(17B) # → S.N.

0.0000056388

$$\underline{\underline{5.6388 \times 10^{-6}}}$$



$$(5 \times 10^{-2})^3$$

26B

$$= 5^3 \cdot (x 10^{-2})^3$$

$$= 125 \times 10^{-6}$$

$$= \underline{\underline{1.25 \times 10^{-4}}}$$

$$(5)^3 = 5 \cdot 5 \cdot 5$$
$$(5x)^3 = 5x \cdot 5x \cdot 5x$$
$$5^3 \cdot x^3$$

22B

-2 - -6

$$\frac{5 \times 10^{-2}}{8 \times 10^{-6}} = .625 \times 10^4$$
$$= \underline{\underline{6.25 \times 10^3}}$$

$$\begin{aligned}10^{-1} &= \frac{1}{10} = \underline{\underline{.1}} \\10^{-2} &= \frac{1}{100} = \underline{\underline{.01}} \\10^{-3} &= \frac{1}{1000} = \underline{\underline{.001}} \\10^{-4} &= \frac{1}{10000} = \underline{\underline{.0001}} \\10^{-5} &= \frac{1}{100000} = \underline{\underline{.00001}} \\10^{-6} &= \frac{1}{1000000} = \underline{\underline{.000001}}\end{aligned}$$



$$10^2 = 100$$

$$10^{-5} = .00001$$

$$10^{-1} = .1$$

$$10^3 = 1000$$

$$10^{-3} = .001$$

O.T.L.

① Smile

② Breath

③ Turn in ... Pg 472-473: 35-51 (odd)

④ Quiz Tomorrow!!