Ch. 8. S.N. Review for Test

March 08, 2007

You Need a Calculator!

Test Tomorrow

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

$= 6 \times 10^{11}$

34 A)

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

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

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

21) # → S.N.

564200

5.642×10^5

16A) S.N. → #

8.497×10^{-3}

.008497

30A)

$(4 \times 10^{-6})(2 \times 10^{5})$

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

19B

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

$= 15 \times 10^{3}$

$= 1.5 \times 10^{4}$

→ S.N.

(18B)

7,960,000,000

$= 7.96 \times 10^{9}$

24B

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

(173) # → S.N.

0.0000056388

5.6388×10^{-6}

Ans. in S.N.

26B

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

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

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

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

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

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

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

$= 5^3 \cdot x^3$

22B

$$\frac{5 \times 10^{-2}}{8 \times 10^{-6}} = 0.625 \times 10^{4}$$

$$= 6.25 \times 10^{3}$$

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

$10^{-2} = \frac{1}{100} = .01$

$10^{-3} = \frac{1}{1000} = .001$

$10^{-4} = \frac{1}{10000} = .0001$

$10^{-5} = \frac{1}{100000} = .00001$

$10^{-6} = \frac{1}{1000000} = .000001$

Value

$10^2 = 100$

$10^{-5} = .00001$

$10^{-1} = .1$

$10^3 = 1000$

$10^{-3} = .001$

O.T.L.

1. Smile
2. Breath
3. Turn in ... pg 472-473: 35-51 (odd)
4. Quiz Tomorrow!!