Powers Ex 2.2 Q1

Answer :

(d) 4/9

To square a number is to raise it to the power of 2. Hence, the square of (−2/3) is

$$\frac{(-2)^2}{3^2} = \frac{4}{9} \quad \text{---> } ((a/b)^n = (a^n)/(b^n))$$

Powers Ex 2.2 Q2

Answer :

(i) $4.83 \times 10^7 = 4.83 \times 1,00,00,000 = 4,83,00,000$

(ii) $3.02 \times 10^{-6} = 3.02/10^6 = 3.02/10,00,000 = 0.00000302$

(iii) $4.5 \times 10^4 = 4.5 \times 10,000 = 45,000$

(iv) $3 \times 10^{-8} = 3/10^8 = 3/10,00,00,000 = 0.00000003$

(v) $1.0001 \times 10^9 = 1.0001 \times 1,00,00,00,000 = 1,00,01,00,000$

(vi) $5.8 \times 10^2 = 5.8 \times 100 = 580$

(vii) $3.61492 \times 10^6 = 3.61492 \times 10,00,000 = 3614920$

(viii) $3.25 \times 10^{-7} = 3.25/10^7 = 3.25/1,00,00,000 = 0.000000325$

*********** END *********