

## 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

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

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

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