

Question 1: L.C.M. of 23×32 and 22×33 is :

- 23×33
- 32
- 23
- 22×32

Question 2: Domain of a function is :

the maximal set of numbers which a function can take values
none of the mentioned

- the maximal set of numbers for which a function is defined
- it is set of natural numbers for which a function is defined

Question 3: $y=f(x)$ then the average rate of change of y with respect to x over the interval $[x_0, x_1]$ is the _____ joining the points $(x_0, f(x_0))$ and $(x_1, f(x_1))$ on the graph of f

Slope of the secant line

- Slope of the tangent line
- Secant line
- none of these

Question 4: $\log_b a^r =$ _____?

- $a \log_b r$
- $r \log_b a$
- $\log_b a / \log_b r$

Question 5: What is the base of natural logarithm?

- 2.71
- 10
- 5

Question 6: Let $f(x) = \sqrt{x + 1}$ then $f(-1) =$ _____.

- 1
- 0
- 1
- Not defined

Question 7: if $xy=4$ then $dy/dx =$ _____

$-1/x^2$