

## FSC Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
2	f(x) is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
3	cosh⁻¹x =	
4	If a function f is from a set X to a set Y, then set X is called the of f:	A. Domain B. Range C. Co-domain D. None of these
5	Question Image	A. 1 B. 2 C. 3 D. 4
6	Let $f(x) = x^2 + 3$ , then domain of f is:	A. Set of all integers     B. Set of natural numbers     C. Set of real numbers     D. Set of rational numbers
7	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz
8	Let $f(x) = x^3 + \sin x$ , then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
9	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
10	Question Image	A. Undefined B. 3a <sup>2</sup> C. a <sup>2</sup> D. 0
11	If the degree of a polynomial function is, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
12	Let $f(x) = \cos x$ , then $f(x)$ is an:	A. Even function B. Odd function C. Power function D. None of these
13	$x = 3 \cos t$ , $y = 3 \sin t$ represent	A. Line B. Circle C. Parabola D. Hyperbola
14	Which one is a constant function ?	A. f(x) = x <sup>2</sup> B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
15	Which one is an exponential function ?	
16	Question Image	A. Line B. Parabola C. Ellipse D. Hybperbola
		B. $f(x) = a(x)$

17	Which one is an identity function ?	C. f (x) = x D. f(x) = 1
8	Question Image	A. Continuous at x = 1  B. Not continuous at x = 1  C. Both a and b  D. none
19	Question Image	A. f(x <sup>2</sup> + 1) B. f(x) D. f(x <sup>2</sup> )
20	A function, in which the variable appears as exponent (power), is called a $\!\!\!/$ anfunction.	A. Constant B. Explicit C. Exponential D. Inverse