FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	$\cosh^{-1}x =$	
2	Which one is an exponential function ?	
3	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
4	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
5	Let $f(x) = x^2$, real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
6	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
7	Question Image	A. sin x B. cos x C. sinh x D. cosh x
8	Question Image	A. 1 B. 2 C. 3 D. 4
9	Let $f(x) = x^3 + \sin x$, then f(x) is:	A. Even function B. Odd function C. Power function D. None of these
10	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)
11	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
12	f(x) = sin x + cos x is ---------- function:	A. Even B. Odd C. Composite D. Neither even nor odd function
13	Question Image	A. f(x² + 1) B. f(x) D. f(x²)
14	Question Image	A. 0 B. 2 C. 1 D. 3
15	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
16	The symbol y = f(x) i.e. y is equal to f of x, invented by Swiss mathematician----------:	A. Euler B. Cauchy C. Leibniz D. Newton
		A. Complex

17	A function, in which the variables are _____ numbers, then function is called a real valued function of real numbers.	B. Rational C. Real D. None of these
18	Which one is not an exponential function ?	
19	Let $f(x) = x^2$, then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
20	x = 3 cos t, y = 3 sin t represent	A. Line B. Circle C. Parabola D. Hyperbola