Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	The range of principal cosine function is:	
2	The domain of principal cosine function is:	
3	The range of principal sine function is:	
4	The domain of principal sine function is:	
5	The graph of x = sin y is obtained by reflecting the graph of y = sin x about the line:	A. x axis B. y axis C. y = x D. y = -x
6	If x is positive or zero, then the principal value of any inverse function of x, if it exists lies in the interval:	
7	$r_3 =$	
8	$r_2 =$	
9	$r_1 =$	
10	Question Image	
11	Question Image	A. r_1 B. r_2 C. r_3 D. r
12	Question Image	
13	$r\, r_1\, r_2\, r_3 =$	D. abc
14	The in-radius r of a triangle is given by:	
15	The circum-radius R of a triangle is given by:	
16	With usual notations for triangle R equals:	
17	A circle passing though the vertices of a triangle is known as:	
18	A circle drawn inside a triangle and touching its sides is known as:	
19	A circle which touches one side of a triangle externally and the other two produces sides internally is known as:	
20	If 2s = a + b + c, where a, b, c are the sides of a triangle ABC, then area of triangle ABC is given by:	