

11th Class FA Mathematics Chapter 13 Online Test

Sr	Questions	Answers Choice
1	$\tan^{-1}(-\sqrt{3})$ is:	
2	The domain of principal sine function is:	
3	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. $y = -x$
4	$y = \tan^{-1} x$ if and only if $x = \tan y$, where:	A. $-1 \leq x \leq 1$ and $-\pi \leq y \leq \pi$
5	$\sin^{-1}(-x) =$	A. $-\sin^{-1} x$ B. $\sin^{-1} x$ C. $\pi + \cos^{-1} x$ D. $-\cos^{-1} x$
6	$\tan(\pi + \cot^{-1} x) =$	
7	The range of $y = \sin^{-1} x$ is:	
8		A. 0
9		A. $\cos x$ B. $\sec x$
10	$\cos(2\sin^{-1} x) =$	A. $1 - 2x^2$ B. $1 + 2x^2$ C. $2x^2 - 1$ D. $x^2 - 1$
11	The graph of $y = \cos^{-1} x$ is obtained by reflecting the graph of $y = \cos x$ about:	A. x-axis B. y-axis C. $y = x$ D. $y = -x$
12	The domain of principal tangent function is:	
13	The domain of $y = \sin^{-1} x$ is:	
14	The range of principal sine function is:	
15	The domain of $y = \cos^{-1} x$ function is:	
16	Inverse sine function is written as:	A. $(\sin x)^{-1}$ B. $\sin^{-1} x$ C. $\arcsin x$ D. $\arcsin^{-1} x$
17	$\tan(\pi + \tan^{-1} x) =$	A. x B. $\pi + x$ C. $\pi - x$ D. none of these
18	The range of $y = \cos^{-1} x$ function is:	
19		A. $\tan x$ B. $\cot x$
20	Domain of the function $y = \tan^{-1} x$ is:	