11th Class ICS Mathematics Chapter 13 Test Online

Sr	Questions	Answers Choice
1	Range of the function $y = \tan^{-1} x$ is:	
2	The domain of principal tangent function is:	
3	The range of principal cosine function is:	
4	If f(x) = arccos x, then:	
5	The range of principal sine function is:	
6	$\cos(\tan^{-1}\infty) =$	A. 0 B. ∞ C. 1
7	The domain of principal sine function is:	
8	If x is positive or zero, then the principal value of any inverse function of x, if it exists lies in the interval:	
9	$\cos(2\sin^{-1} x) =$	A. 1- 2x² B. 1 + 2x² C. 2x²- 1 D. x²- 1
10	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
11	Domain of the function $y = \tan^{-1} x$ is:	
12	Question Image	
13	The domain of $y = \cos^{-1} x$ function is:	
14	The domain of $y = \sin^{-1} x$ is:	
15	The range of principal tangent function is:	
16	Question Image	A. tan x B. cot x
17	$y = \sin^{-1} x$ if and only if x = sin y, where:	
18	Question Image	A. 0
19	$\tan(\pi + \tan^{-1}x) =$	A. x B. π+x C. π-x D. none of these
20	Question Image	A. cos x B. sec x
21	Question Image	
22	$\sin^{-1}(-x) =$	A. -sin⁻¹ x B. sin⁻¹x C. π + cos⁻¹x D. -cos⁻¹x
23	$\cos^{-1}(-x) =$	A. π + cos⁻¹ x B. π - cos⁻¹x C. π + sin⁻¹x D. π - sin⁻¹x
24	Question Image	
25	Question Image	A. x-axis B. y-axis C. y = x D. y = -x

26	The range of $y = \sin^{-1} x$ is:	
27	Inverse sine function is written as:	A. (sin x)⁻¹ B. sin x⁻¹ C. arc sinx D. arc sin⁻¹ x
28	The range of $y = \cos^{-1} x$ function is:	
29	$\tan^{-1}(-\sqrt{3})$ is:	
30	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
31	$\tan^{-1}(-x)$ =	A. tan⁻¹x B. cot⁻¹x C. -tan⁻¹x D. -cot⁻¹x
32	y = tan-1 x if and only if x = tan y, where:	A. -1 < x < 1 and - π < y < π
33	The domain of principal cosine function is:	
34	Question Image	
35	$\tan(\pi + \cot^{-1} x)$ =	
36	Question Image	A. sin x B. cosec x
37	Question Image	