

ECAT (Pre-Eng) Mathematics Chapter 13 Trigonometric Functions & Their Graphs

Sr	Questions	Answers Choice
1	Question Image	
2	Range of $\tan\theta$ is	A. Set of complex numbers B. Set of real numbers C. Set of odd numbers D. Set of positive integers only
3	The range of $y = \cot x =$ _____	A. $-\infty$ to ∞ B. $-\infty$ to ∞ C. $-\infty$ to ∞ D. None of above
4	Period of $\tan x$ is _____	
5	The period of $\tan x/7$ is	A. 3π B. 7π C. 15π D. 5π
6	The period of $\cos(7x-5)$ is	A. $\pi/7$ B. $7\pi/2$ C. $\pi/2$ D. $2\pi/7$
7	The period of $3 \sin x$ is	A. 2π B. 9π C. 3π D. 5π
8	Domain of tangent function is	A. π B. 2π C. 3π D. 5π
9	Period of Sine and Cosine function is	A. π B. 2π C. 3π D. 5π

C. $y \pm 1 = 0$
D. $x \pm 1 = 0$
C. $x \pm y = 0$
D. None of these

A. $x - \text{axis}$
B. $y - \text{axis}$
C. both axis
D. None of these

A. Inverse
B. one-one
C. in-to
D. Periodic

A. π
B. $-\pi$
C. 0
D. -2π

A. π
B. $-\pi$
C. $\pi/2$
D. 2π

10 graph of sine function is bounded between lines

11 Period of $\sec x$ is _____

12 The period of the function $\csc x/4$ is

13 Period of $\cot x$ is _____

14 The period of $\operatorname{cosec} 10x$ is _____

15 graph of trigonometric function $y = \sec x$ does not meet

16 Tangent isfunction

17 Period of Cotangent function is

18 Question Image

19 Domain of $\operatorname{cosec} x$ is _____

20 What is the period of $6 \sin x$?