

Answer on Question #58347 – Math – Trigonometry

Question 1

The domain of  $y = \csc x$  is given by  $x \neq \frac{\pi}{2} + n\pi$ .

- True
- False

Answer: False.

Question 2

The vertical \_\_\_\_\_ of the function cosecant are determined by the points that are not in the domain.

Answer: asymptotes.

Question 3

Which of the functions below have period  $2\pi$ ? *Check all that apply.*

$y = \tan x$

$y = \cot x$

$y = \csc x$

$y = \sec x$

Answer:  $y = \csc x$ ,  $y = \sec x$ .

#### Question 4

Which of the functions have a range of all real numbers? *Check all that apply.*

$y = \tan x$

$y = \csc x$

$y = \cot x$

$y = \sec x$

**Answer:**  $y = \tan x$ ,  $y = \cot x$ .

#### Question 5

Which function is even? *Check all that apply.*

$y = \sin x$

$y = \csc x$

$y = \cot x$

$y = \sec x$

**Answer:**  $y = \csc x$ .