

## Answer on Question #58215 – Math – Trigonometry

### Question

The domain of the sine function is \_\_\_\_\_.

A: All real numbers

B: [-1, 1]

C:  $2\pi$

D:  $\pi$

### Solution

The domain of function  $f(x)$  is all values that  $x$  can take on.

The domain of sine is all real numbers (other notations: domain is  $\mathbb{R} = (-\infty, +\infty)$ ).

If  $f(x)=\sin(x)$ , then  $-\infty < x < +\infty$ .

**Answer:** A. All real numbers.