

Exercise 17

Find the natural domain and graph the functions in Exercises 15–20.

$$g(x) = \sqrt{|x|}$$

Solution

Only the square root of a nonnegative number can be taken, so

$$|x| \geq 0$$

This is a true statement for any value of x , so the domain is $\{x \mid -\infty < x < \infty\}$.

