

Exercise 18

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

$$-x \geq 0$$

Solve for x by multiplying both sides by -1 .

$$x \leq 0$$

Therefore, the domain is $\{x \mid x \leq 0\}$.

