

Find the domain of the function $f(x) = -\sqrt[3]{2x+10}$.

Domain of a function

Set of all possible values of x such that $f(x)$ is defined

Domain of $f(x) = \sqrt[3]{x}$

is the set of all real numbers $\mathbb{R}$

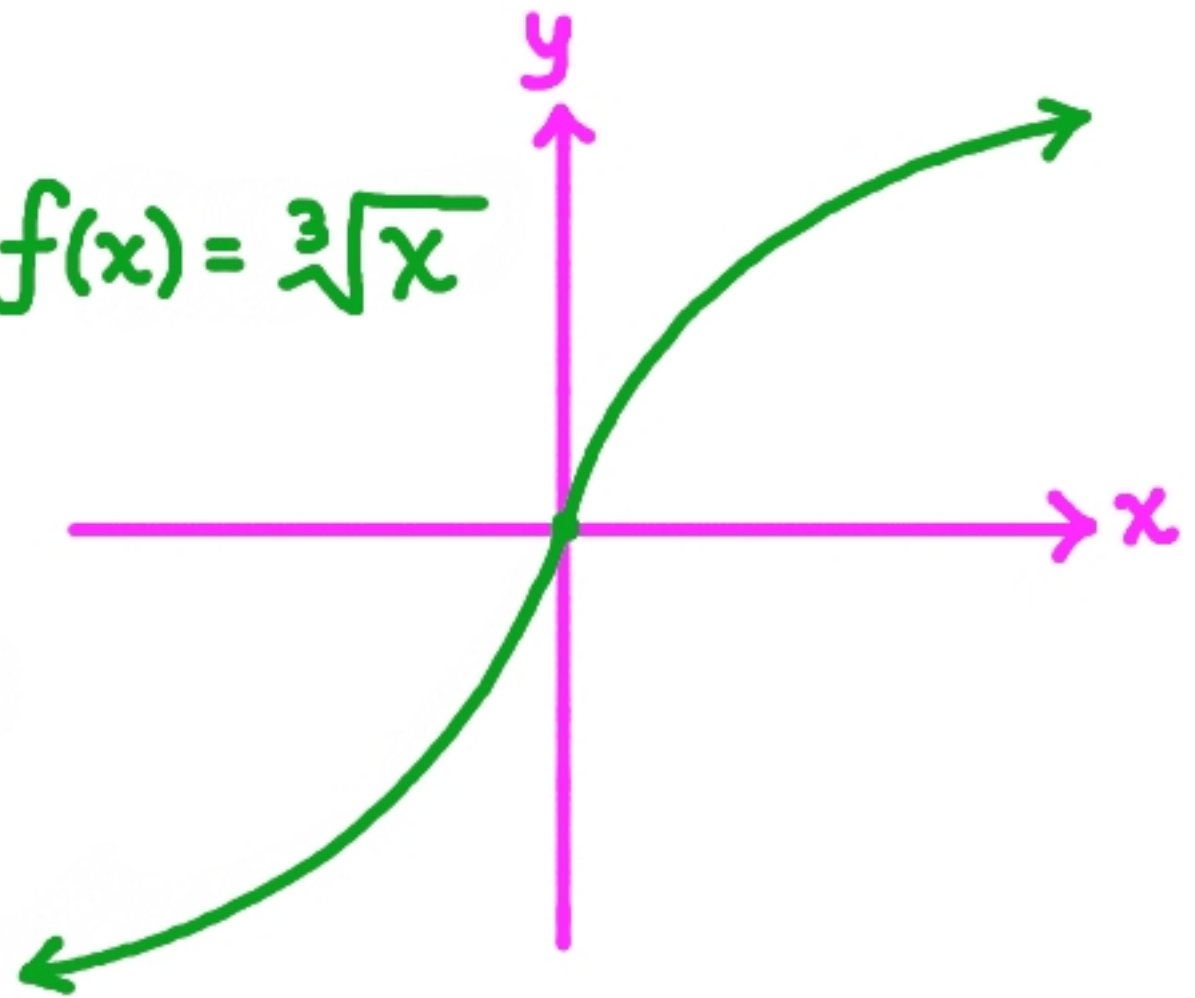
$]-\infty, \infty[$ or $(-\infty, \infty)$

$$f(x) = -\sqrt[3]{2x+10}$$

Linear
 $ax+b$
adds no
restrictions

Cube Root
imposes no
restrictions
on the domain

$$f(x) = \sqrt[3]{x}$$



Domain of
 $f(x) = -\sqrt[3]{2x+10}$
is $\boxed{\mathbb{R}}$