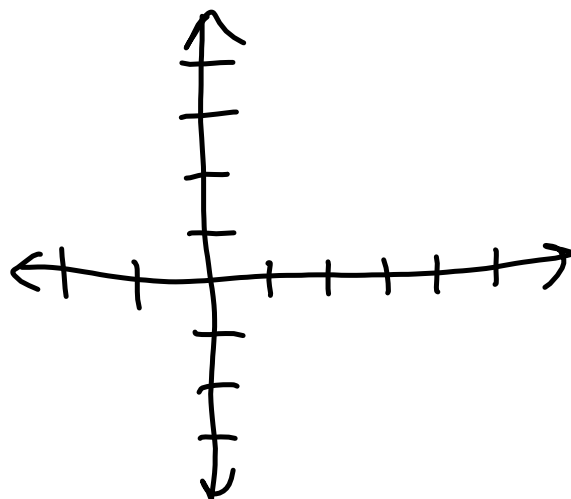


Sec. 10.5 Graphing Square Root Functions

$$y = \sqrt{x}$$

~~x/y~~ Domain:



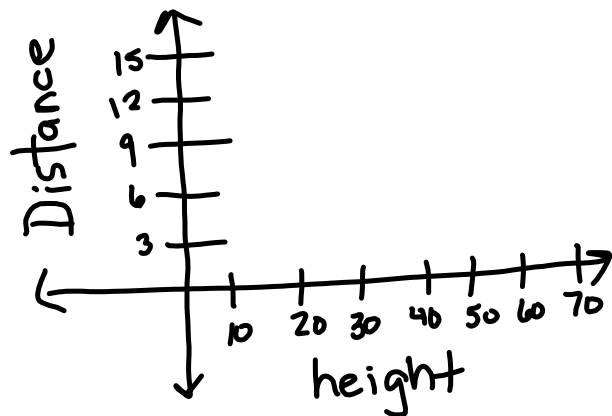
Problem 1: What is the domain of the function?

a. $\sqrt{2x+1}$

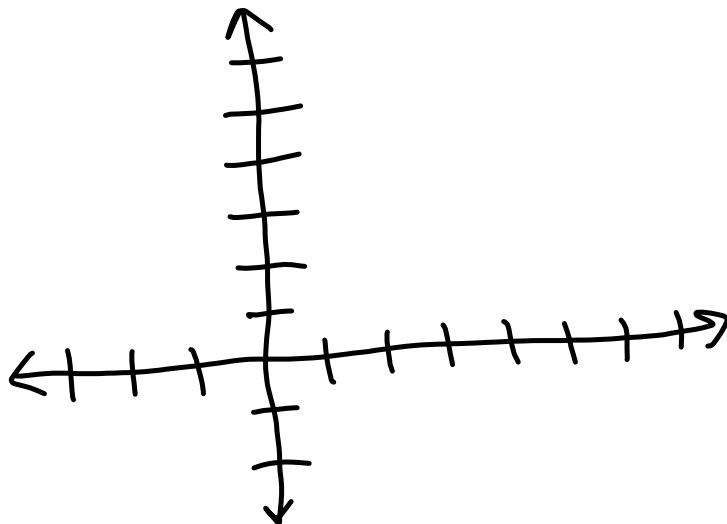
b. $\sqrt{-2x+5}$

Problem 2:

Graph the function $d = \sqrt{1.5h}$ which gives the distance in miles to a horizon when h is the height of the viewer's eyes above the ground in feet. When will the distance the viewer can see be greater than 10 mi?



Problem 3:
What is the graph of $y = \sqrt{x} + 4$?



Problem 4:
What is the graph of $y = \sqrt{x+3}$?

