

Exercise 38

Graph the functions in Exercises 37–56.

$$y = \sqrt{9 - x}$$

Solution

Rewrite the function.

$$y = \sqrt{-(x - 9)}$$

The parent function is $y = \sqrt{x}$. Replacing x with $-x$ reflects the graph over the y -axis, and replacing x with $x - 9$ shifts the graph to the right by 9 units.

