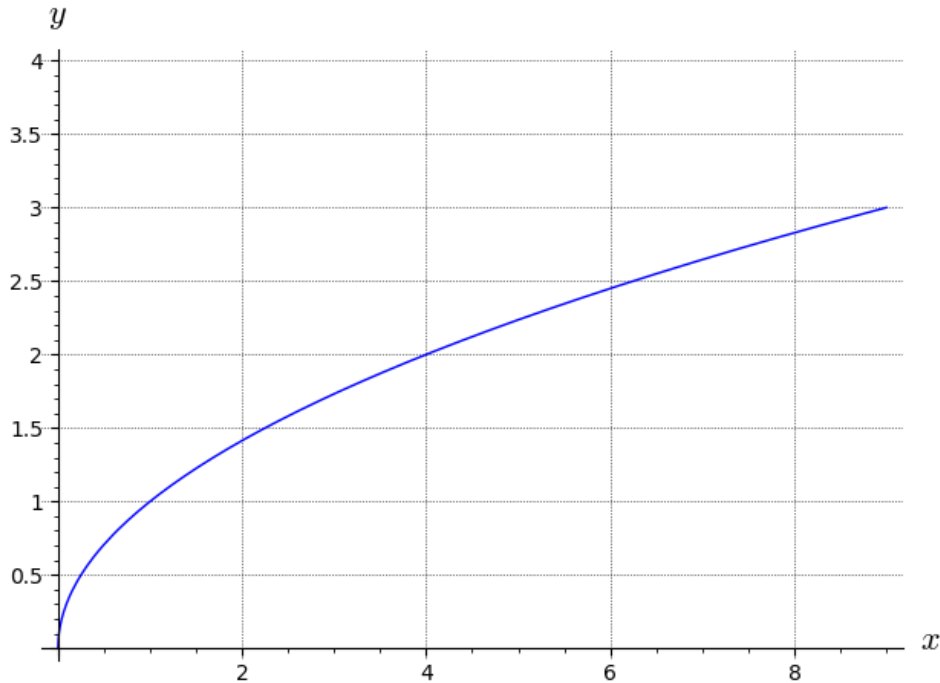


Square Root Function

The square root function has the form $f(x) = \sqrt{x}$.



Properties of the square root function $f(x) = \sqrt{x}$:

- Domain: All non-negative real numbers, $[0, \infty)$
- Range: All non-negative real numbers, $[0, \infty)$
- Symmetry: None.
- Increasing/Decreasing: f is increasing on $(0, \infty)$.
- Extreme values: The minimum value is $y = 0$ and $x = 0$. (This is a global minimum, but not a local minimum.)
- Interesting features:
 - The graph is the upper half of a parabola that opens to the right.