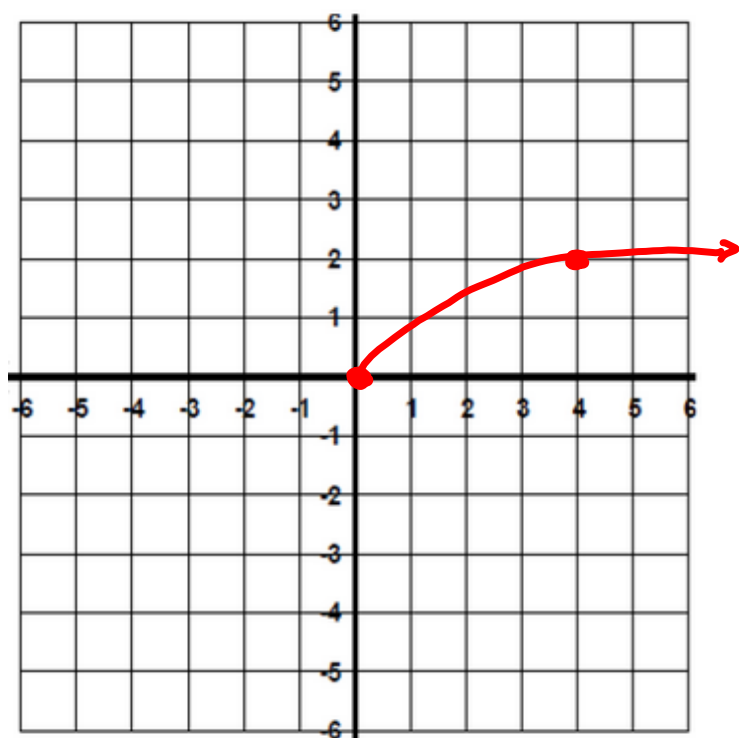


Graphing & Evaluating Radicals



Parent Function:

$$y = \sqrt{x}$$



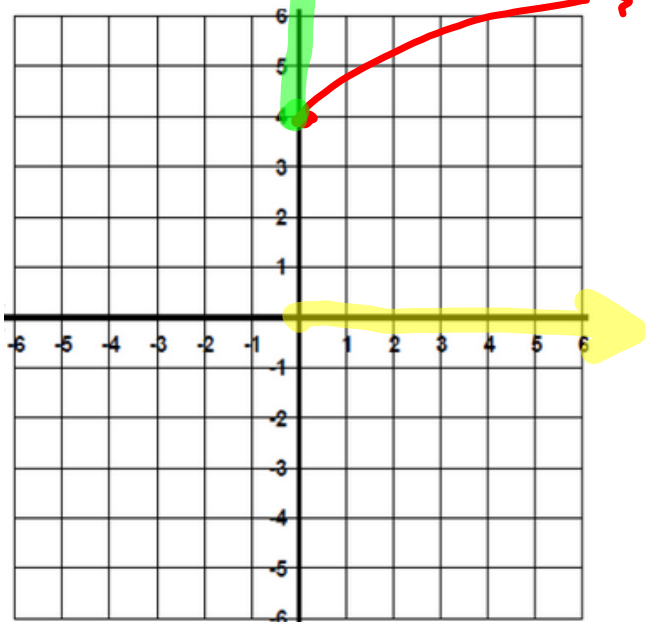
Domain: $[0, \infty)$

Range: $[0, \infty)$

Graph:

$$y = \sqrt{x} + 4$$

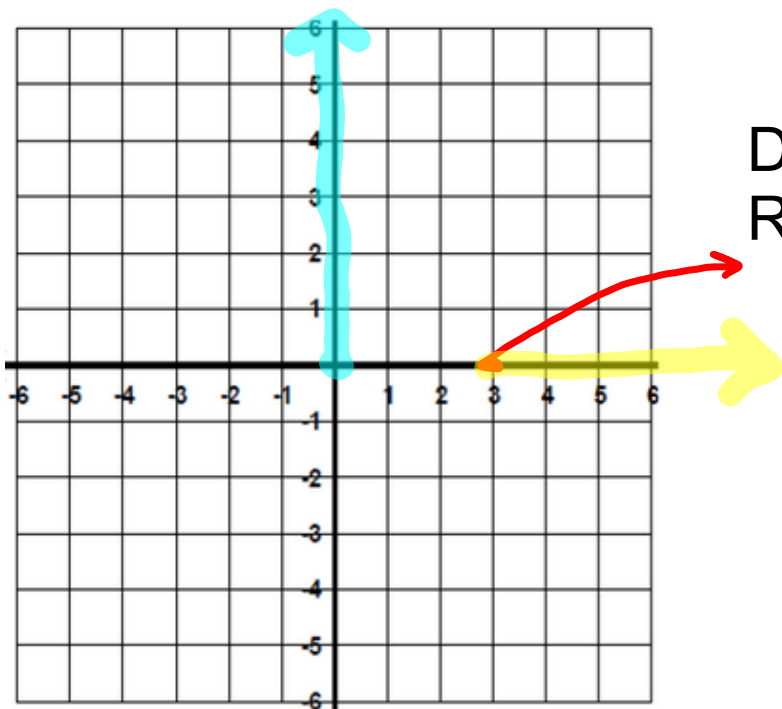
up 4



Domain: $[0, \infty)$
Range: $[4, \infty)$

Graph:

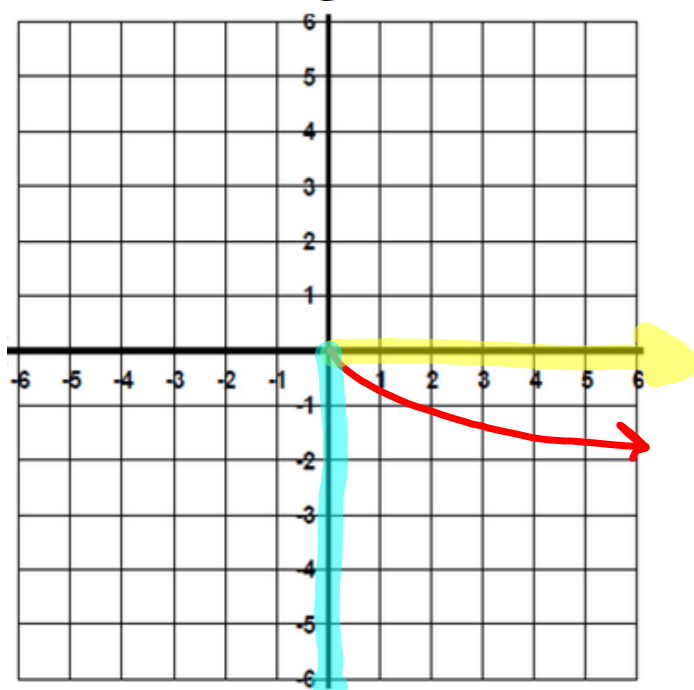
$$y = \sqrt{x - 3}$$



Domain: $[3, \infty)$
Range: $[0, \infty)$

Graph:

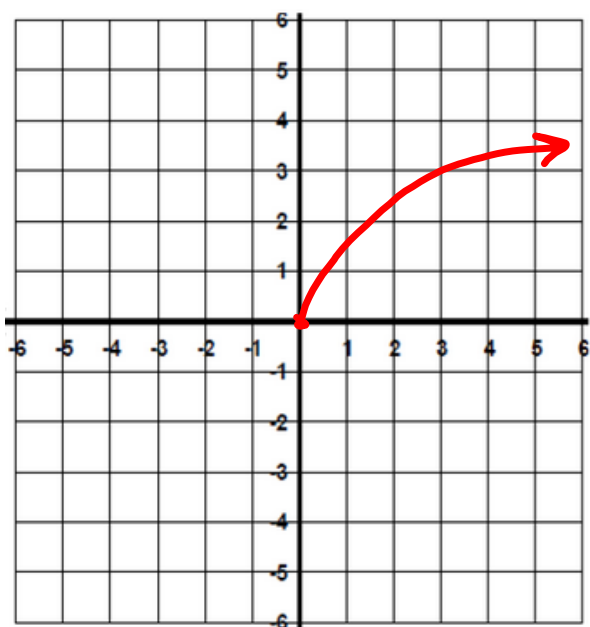
$$y = -\sqrt{x}$$



Domain: $[0, \infty)$
Range: $(-\infty, 0]$

Graph:

Stretch
 $y = 3\sqrt{x}$

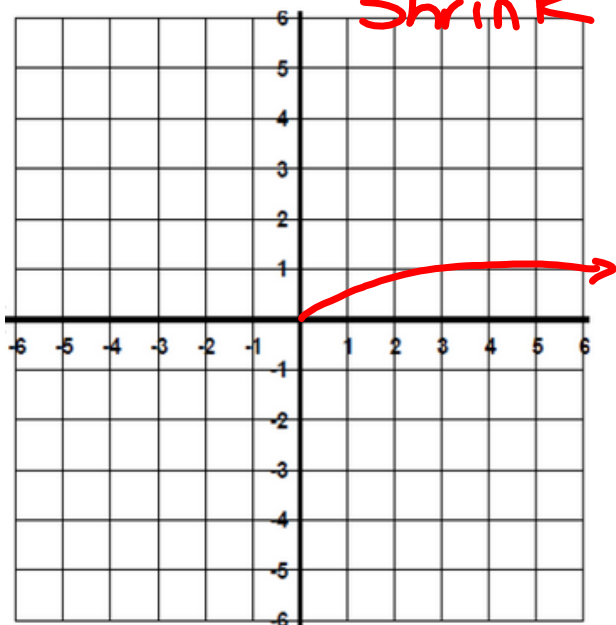


Domain:
Range:

Graph:

$$y = \frac{1}{3}\sqrt{x}$$

shrink

Domain:
Range: