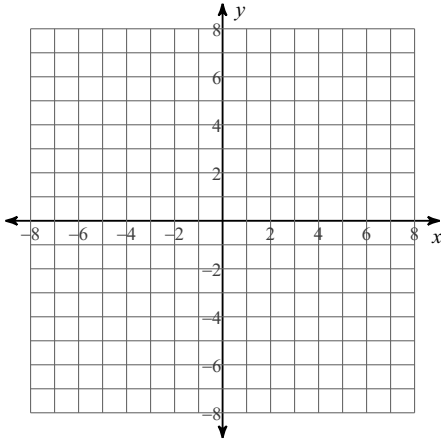


## Key Characteristics of radical equations

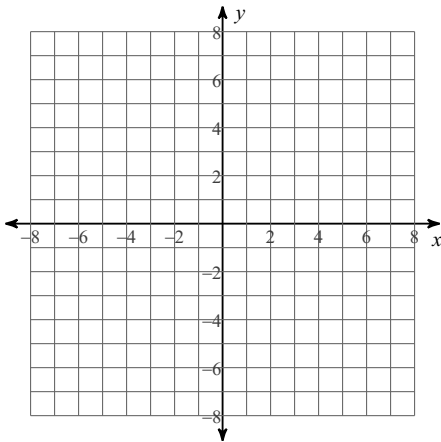
Sketch the graph of each function and state the domain and range.

1)  $y = 2 + \sqrt[3]{x + 6}$



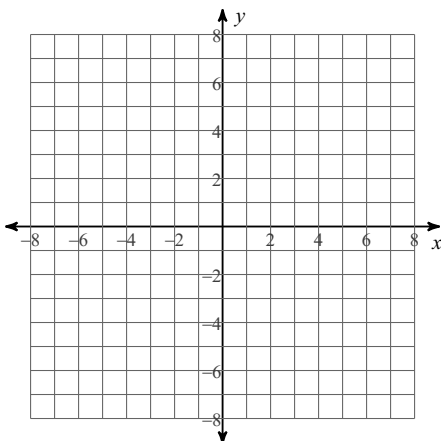
Sketch the graph of each function and state the x-intercept & y-intercept.

2)  $y = \sqrt{x - 1}$



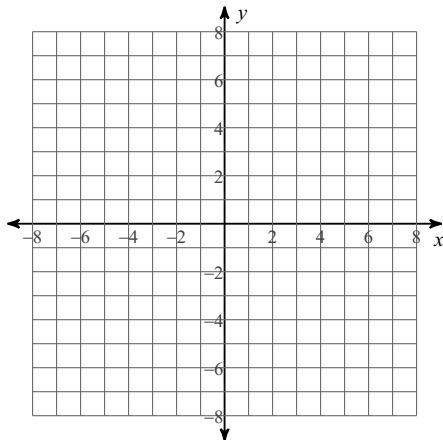
Sketch the graph of each function and state the interval of increase and interval of decrease.

3)  $y = 3\sqrt[3]{x - 1}$



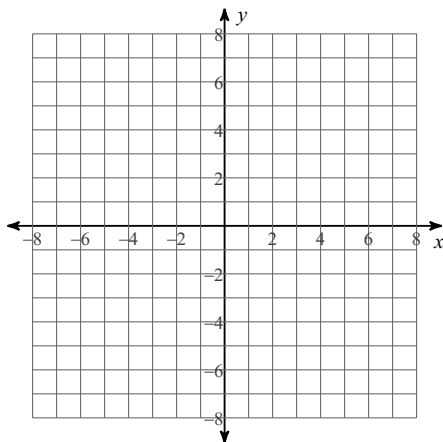
Sketch the graph of each function and state the graph is positive and where the graph is negative.

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



Sketch the graph of each function and state maximum and minimum.

5)  $y = \sqrt[3]{x - 1} + 1$



Sketch the graph of each function and state the end behavior.

6)  $y = -\frac{1}{2}\sqrt{x}$

