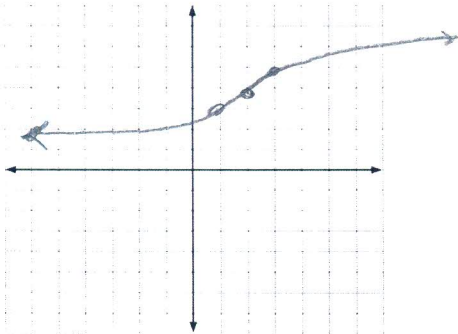


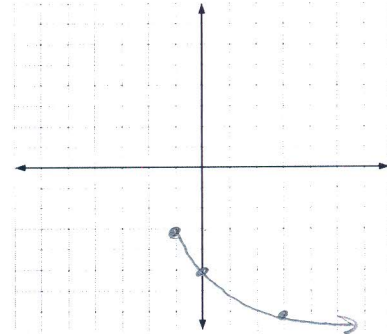
Graph the following radical functions. List the Domain and Range in interval notation.

1. $f(x) = \sqrt[3]{x-2} + 4$



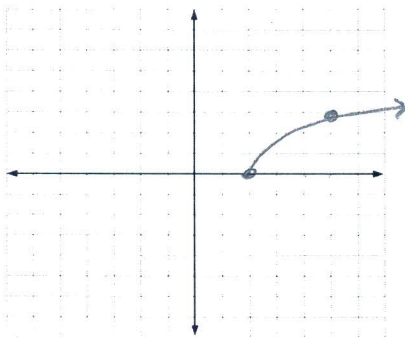
domain: $(-\infty, \infty)$
range: $(-\infty, \infty)$

2. $f(x) = -2\sqrt{x+1} - 3$



domain: $[-1, \infty)$
range: $(-\infty, -3]$

3. $f(x) = \sqrt{3x-6}$

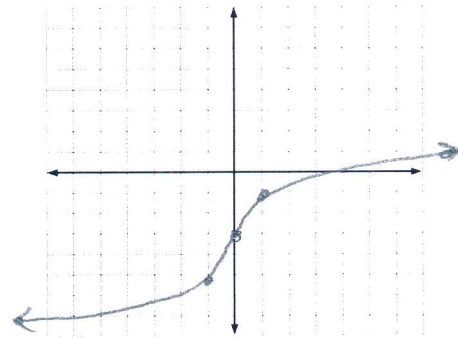


$$\begin{aligned} 3x-6 &\geq 0 \\ 3x &\geq 6 \\ x &\geq 2 \end{aligned}$$

x	y
2	0
5	3

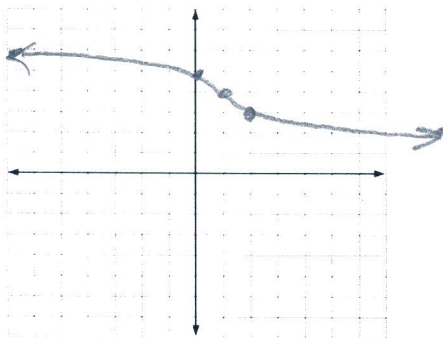
domain: $[2, \infty)$
range: $[0, \infty)$

4. $f(x) = 2\sqrt[3]{x} - 3$



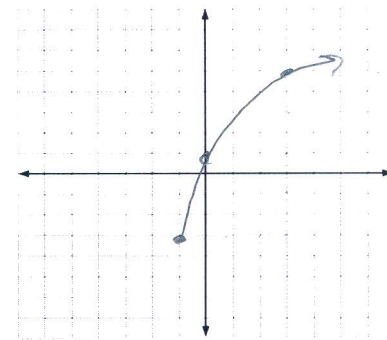
domain: $(-\infty, \infty)$
range: $(-\infty, \infty)$

5. $f(x) = -\sqrt[3]{x-1} + 4$



domain: $(-\infty, \infty)$
range: $(-\infty, \infty)$

6. $f(x) = 4\sqrt{x+1} - 3$



domain: $[-1, \infty)$
range: $[-3, \infty)$