Graph the given function using the given values of x. Also use the graph to determine the domain and range of the function.

1b. $g(x) = \sqrt{x+3}$; $x = -3, -2, 1, 6$
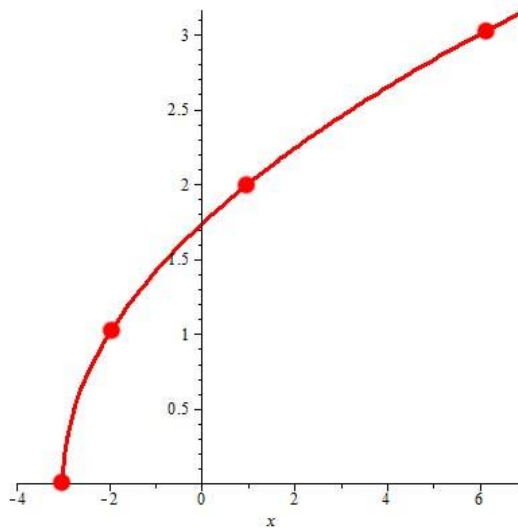
Solution:

$$g(-3) = \sqrt{-3+3} = 0$$

$$g(-2) = \sqrt{-2+3} = 1$$

$$g(1) = \sqrt{1+3} = 2$$

$$g(6) = \sqrt{6+3} = 3$$

Domain $D(x)$ $x \in [-3, +\infty)$

Range $E(x)$ $y \in [0, +\infty)$