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

1e $g(x) = x^3 + 1\ ;\ x = -2, -1, 0, 1, 2$

Solution:

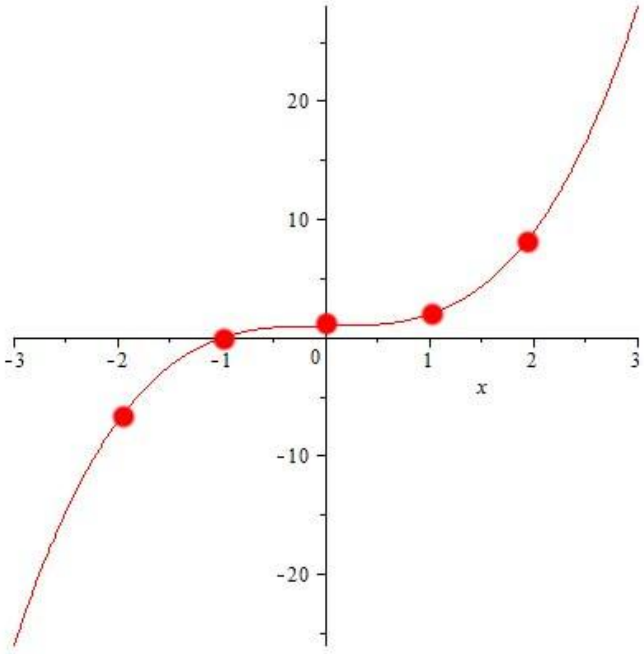
$$g(-2) = (-2)^3 + 1 = -7$$

$$g(-1) = (-1)^3 + 1 = 0$$

$$g(0) = (0)^3 + 1 = 1$$

$$g(1) = (1)^3 + 1 = 2$$

$$g(2) = (2)^3 + 1 = 9$$



Domain $D(x)$: $x \in R$

Range $E(x)$: $y \in R$