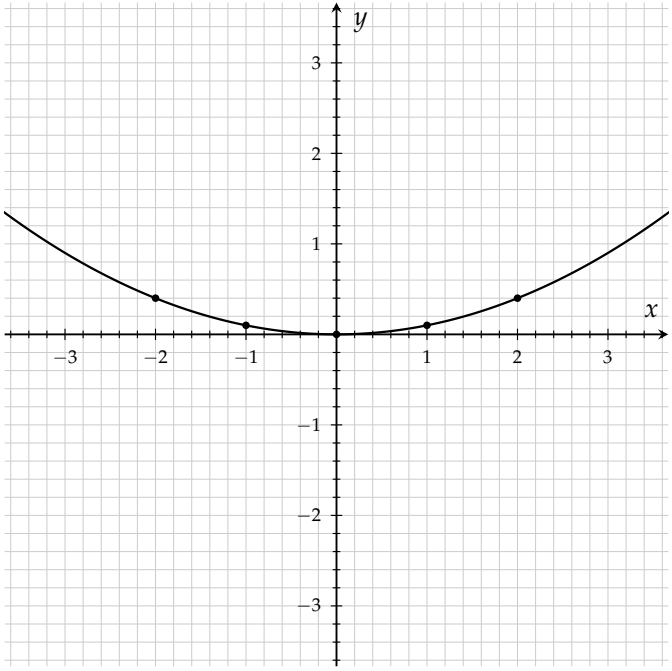
Aufgabe 5

A)

$$f(x) = 0{,}1x^2$$

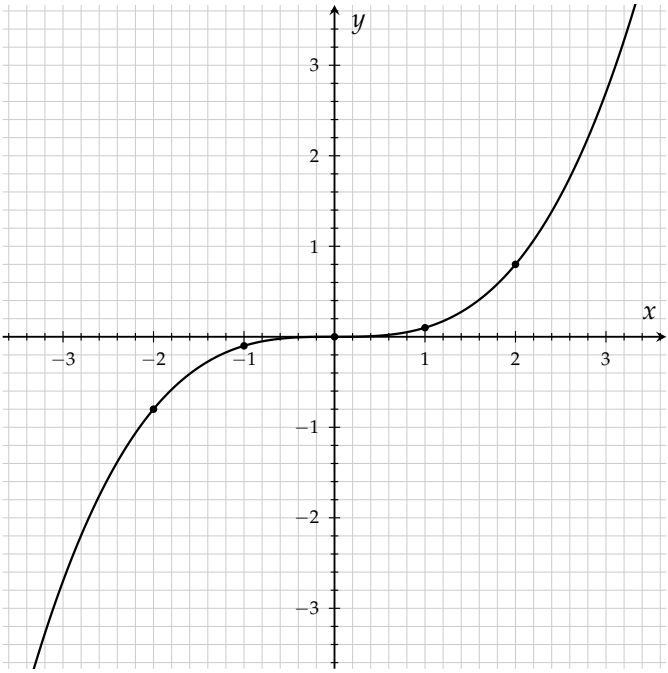
$$f(-2) = 0{,}1 \cdot (-2)^2 = 0{,}4$$
$$f(-1) = 0{,}1 \cdot (-1)^2 = 0{,}1$$
$$f(0) = 0{,}1 \cdot 0^2 = 0$$
$$f(1) = 0{,}1 \cdot 1^2 = 0{,}1$$
$$f(2) = 0{,}1 \cdot 2^2 = 0{,}4$$



B)

$$g(x) = 0{,}1x^3$$

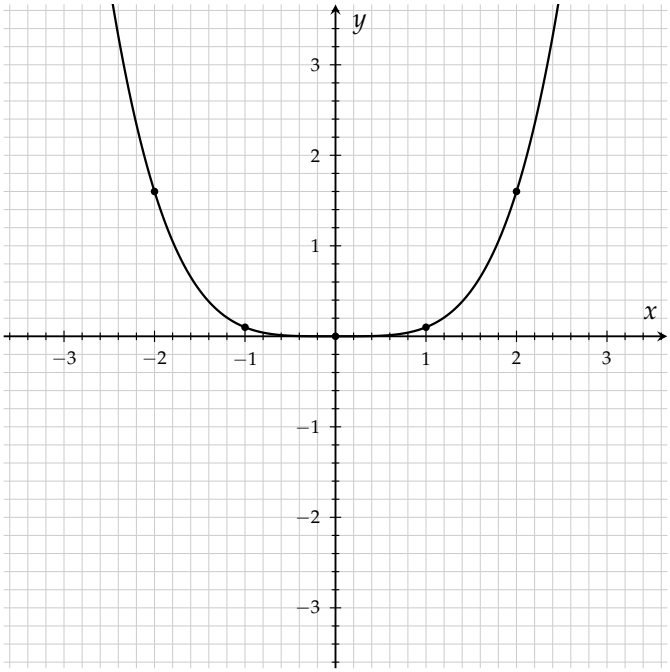
$$g(-2) = 0{,}1 \cdot (-2)^3 = -0{,}8$$
$$g(-1) = 0{,}1 \cdot (-1)^3 = -0{,}1$$
$$g(0) = 0{,}1 \cdot 0^3 = 0$$
$$g(1) = 0{,}1 \cdot 1^3 = 0{,}1$$
$$g(2) = 0{,}1 \cdot 2^3 = 0{,}8$$



C)

$$h(x) = 0{,}1x^4$$

$$h(-2) = 0{,}1 \cdot (-2)^4 = 1{,}6$$
$$h(-1) = 0{,}1 \cdot (-1)^4 = 0{,}1$$
$$h(0) = 0{,}1 \cdot 0^4 = 0$$
$$h(1) = 0{,}1 \cdot 1^4 = 0{,}1$$
$$h(2) = 0{,}1 \cdot 2^4 = 1{,}6$$



D)

$$j(x) = 0{,}1x^5$$

$$j(-2) = 0{,}1 \cdot (-2)^5 = -3{,}2$$
$$j(-1) = 0{,}1 \cdot (-1)^5 = -0{,}1$$
$$j(0) = 0{,}1 \cdot 0^5 = 0$$
$$j(1) = 0{,}1 \cdot 1^5 = 0{,}1$$
$$j(2) = 0{,}1 \cdot 2^5 = 3{,}2$$