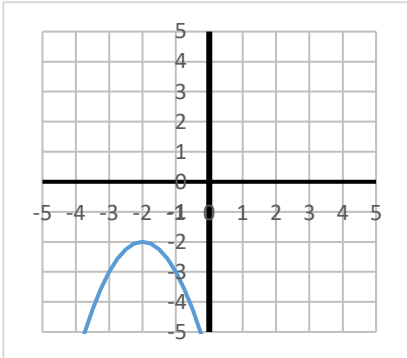


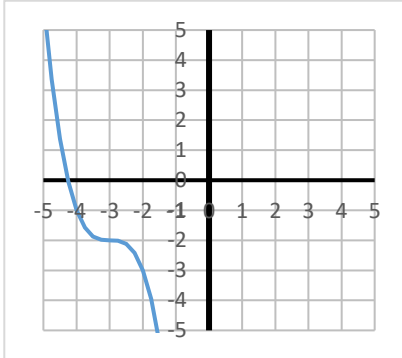
## Potenzfunktionen ( $x^2, x^3$ ) am Graph ablesen

**Aufgabe 1: Gib die Funktionsgleichung der Potenzfunktion an.**

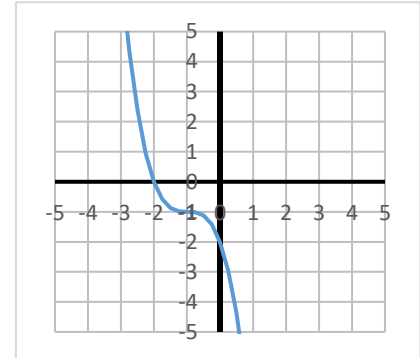
a)  $f(x) =$



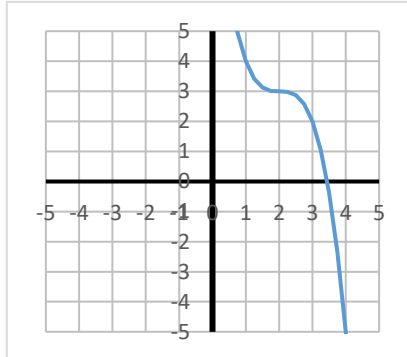
b)  $f(x) =$



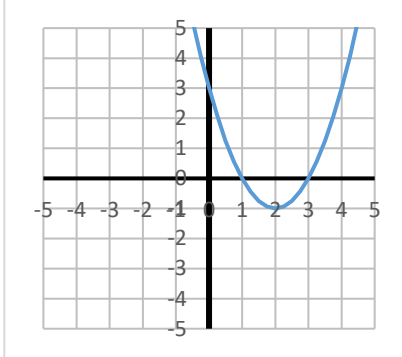
c)  $f(x) =$



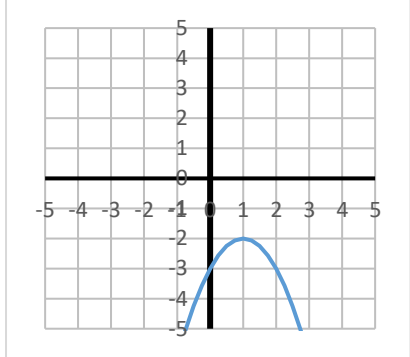
d)  $f(x) =$



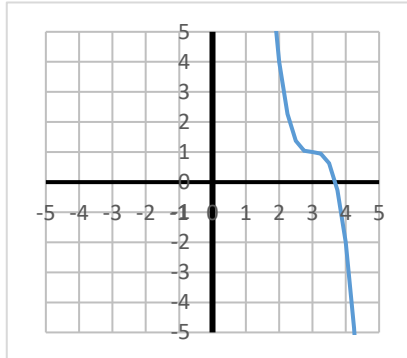
e)  $f(x) =$



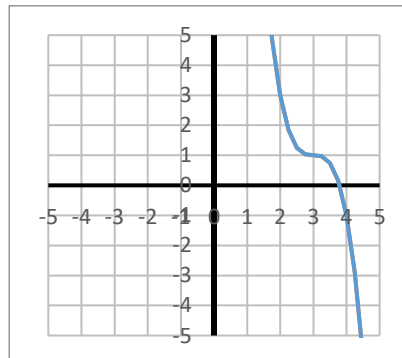
f)  $f(x) =$



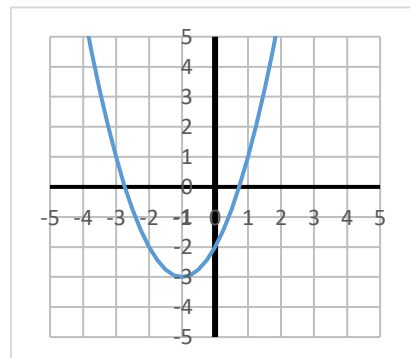
g)  $f(x) =$



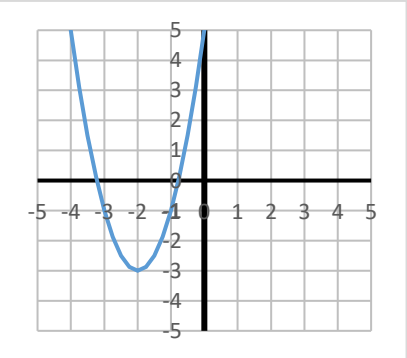
h)  $f(x) =$



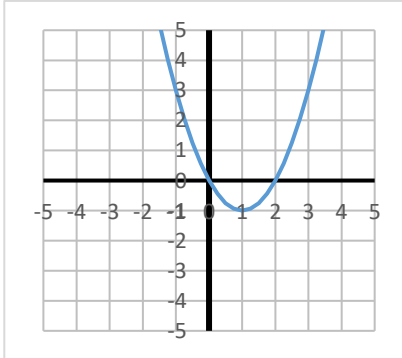
i)  $f(x) =$



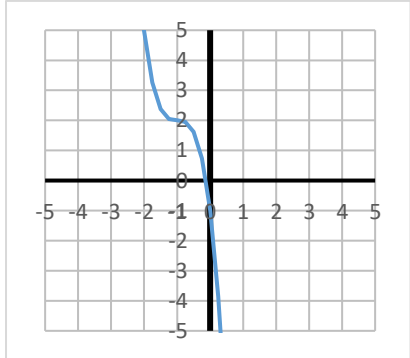
j)  $f(x) =$



k)  $f(x) =$



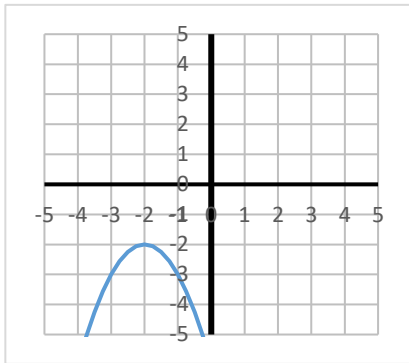
l)  $f(x) =$



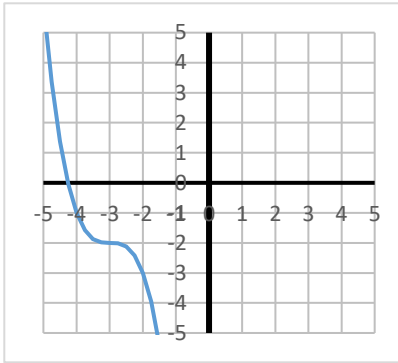
**Lösung:**

**Aufgabe 1:**

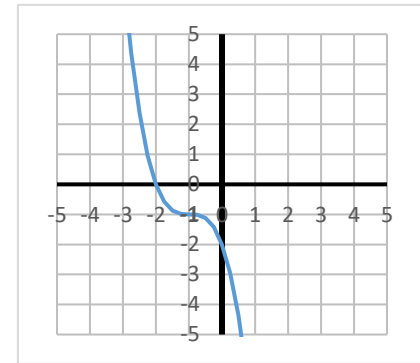
a)  $f(x) = -1 \cdot (x + 2)^2 - 2$



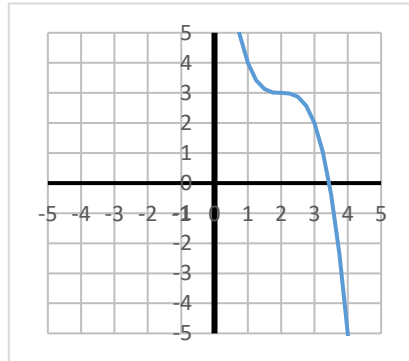
b)  $f(x) = -1 \cdot (x + 3)^3 - 2$



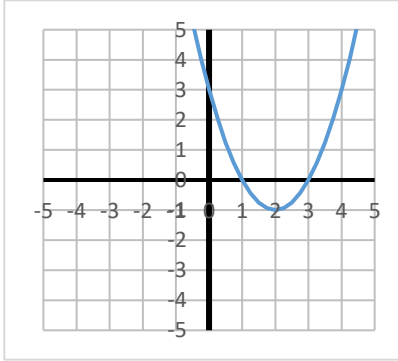
c)  $f(x) = -1 \cdot (x + 1)^3 - 1$



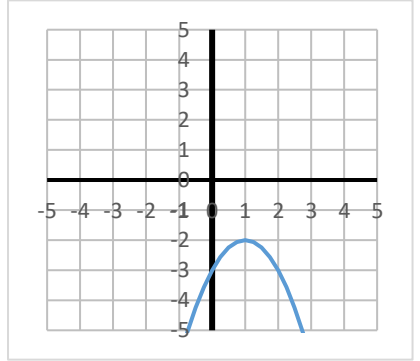
d)  $f(x) = -1 \cdot (x - 2)^3 + 3$



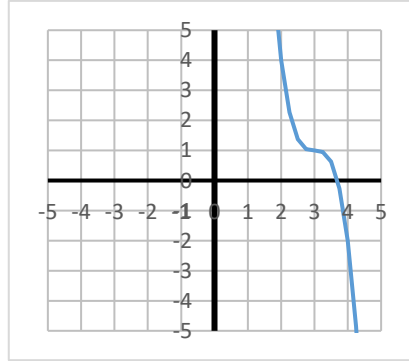
e)  $f(x) = 1 \cdot (x - 2)^2 - 1$



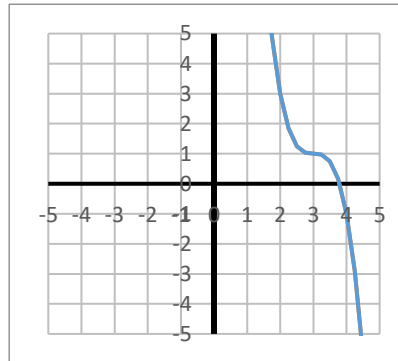
f)  $f(x) = -1 \cdot (x - 1)^2 - 2$



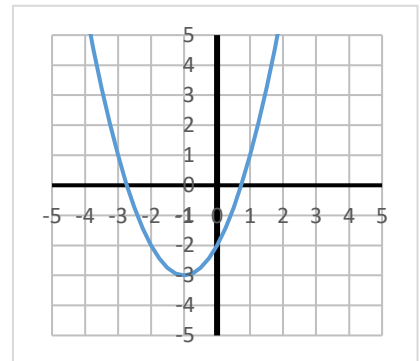
g)  $f(x) = -3 \cdot (x - 3)^3 + 1$



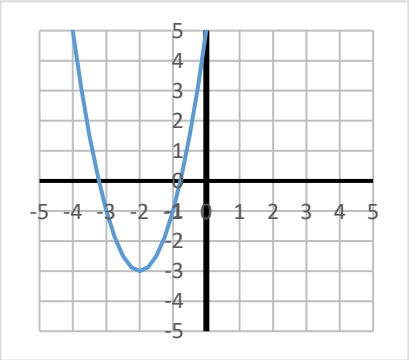
h)  $f(x) = -2 \cdot (x - 3)^3 + 1$



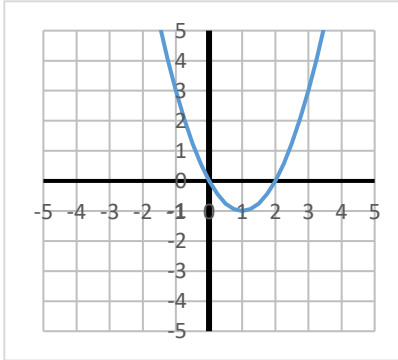
i)  $f(x) = 1 \cdot (x + 1)^2 - 3$



j)  $f(x) = 2 \cdot (x + 2)^2 - 3$



k)  $f(x) = 1 \cdot (x - 1)^2 - 1$



l)  $f(x) = -3 \cdot (x + 1)^3 + 2$

