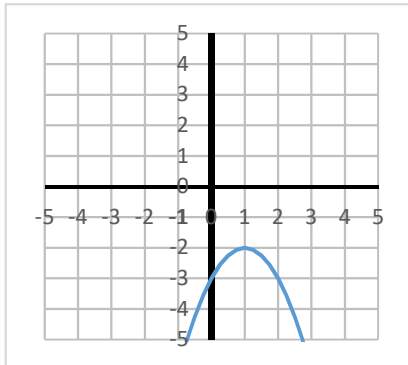


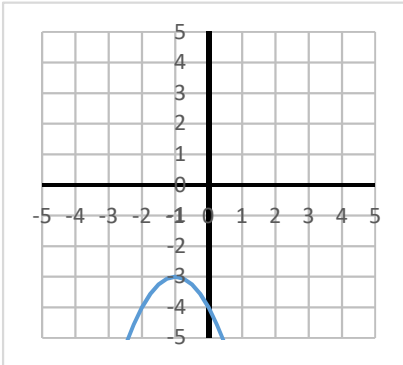
Quadratische Funktionen am Graph ablesen

Aufgabe 1: Gib die Funktionsgleichung in Scheitelpunktform an.

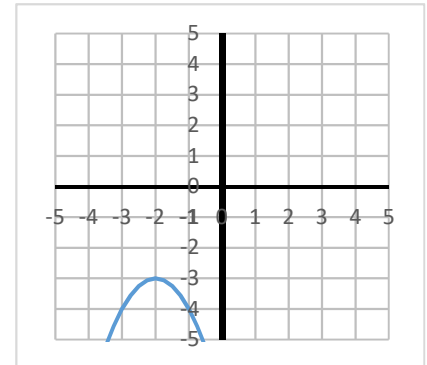
a) $f(x) =$



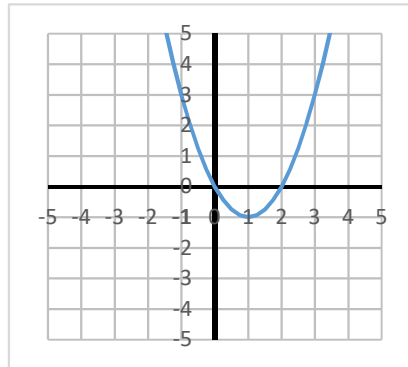
b) $f(x) =$



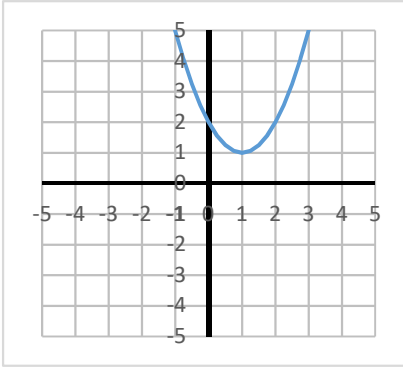
c) $f(x) =$



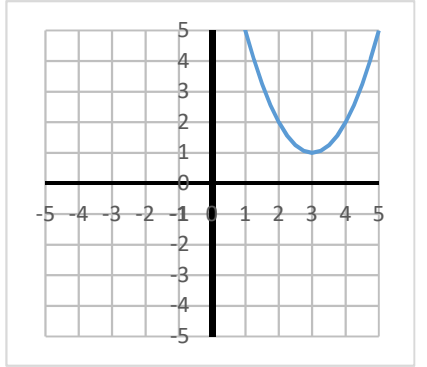
d) $f(x) =$



e) $f(x) =$

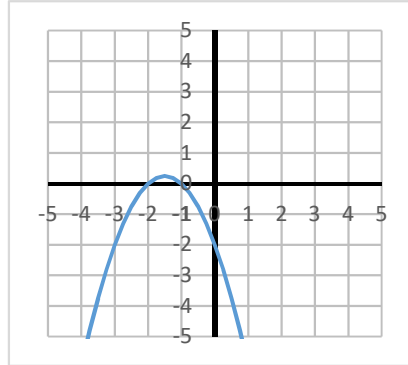


f) $f(x) =$

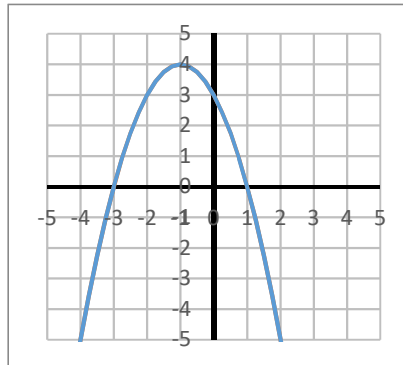


Aufgabe 2: Gib die Funktionsgleichung in faktorisierte Form an.

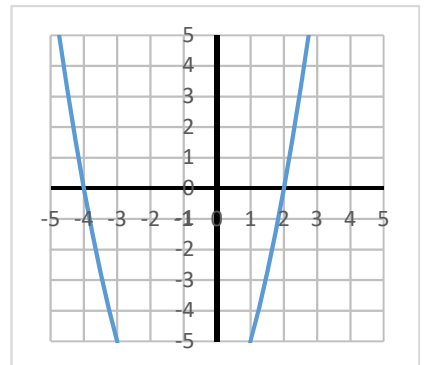
a) $f(x) =$



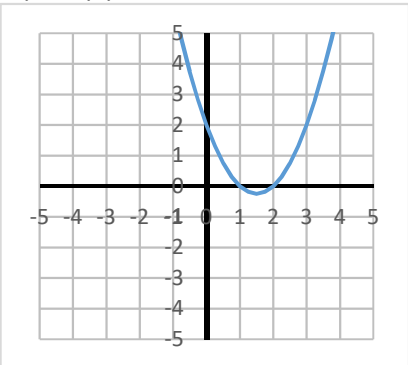
b) $f(x) =$



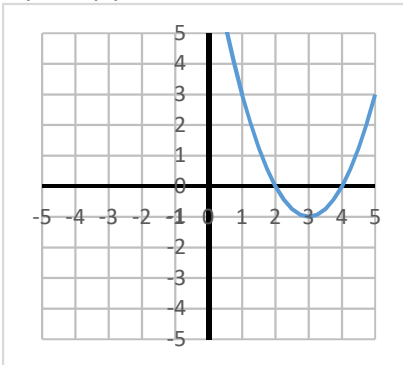
c) $f(x) =$



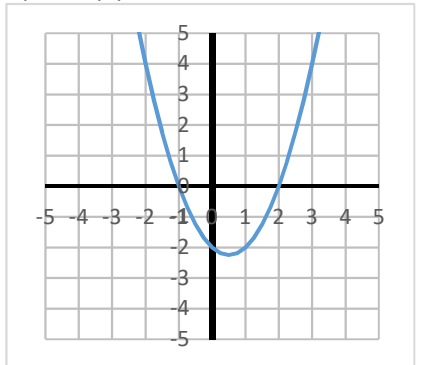
d) $f(x) =$



e) $f(x) =$



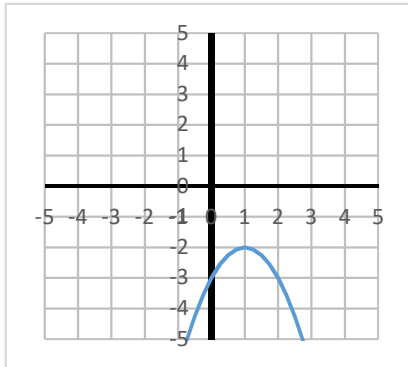
f) $f(x) =$



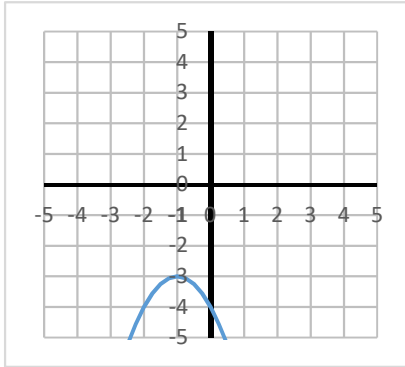
Lösung:

Aufgabe 1:

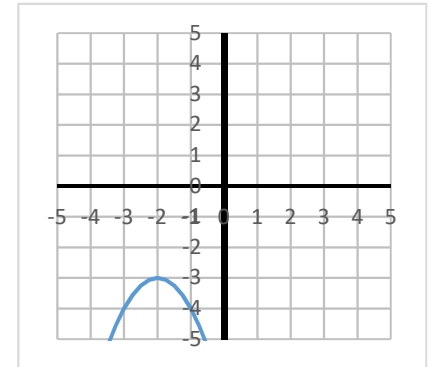
a) $f(x) = -(x - 1)^2 - 2$



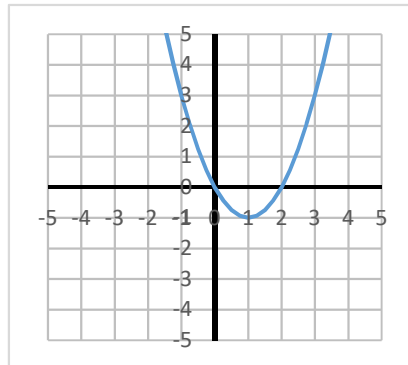
b) $f(x) = -(x + 1)^2 - 3$



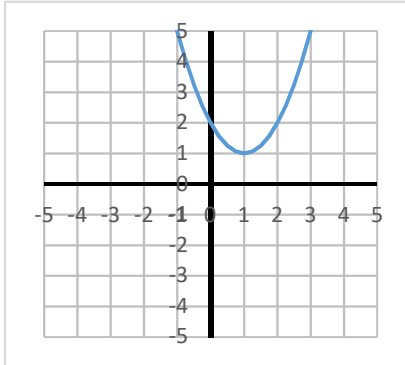
c) $f(x) = -(x + 2)^2 - 3$



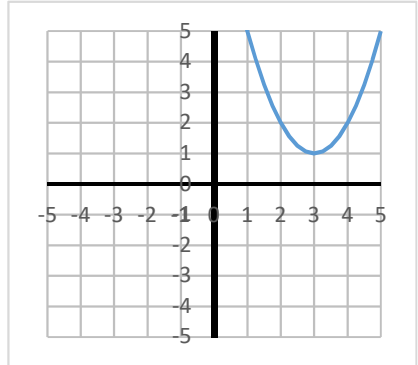
d) $f(x) = (x - 1)^2 - 1$



e) $f(x) = (x - 1)^2 + 1$

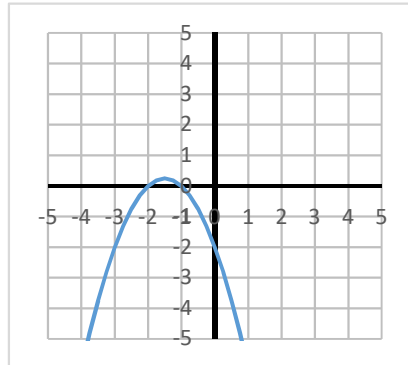


f) $f(x) = (x - 3)^2 + 1$

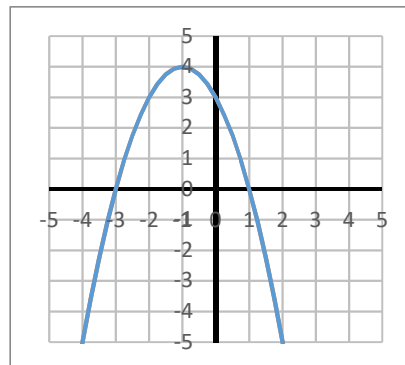


Aufgabe 2:

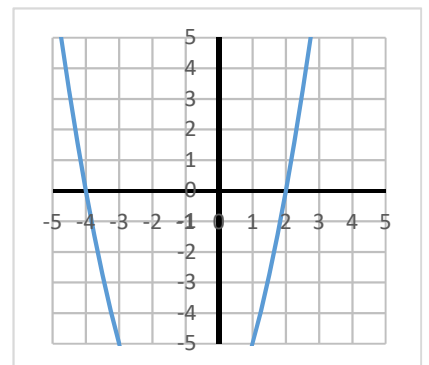
a) $f(x) = -(x + 2)(x + 1)$



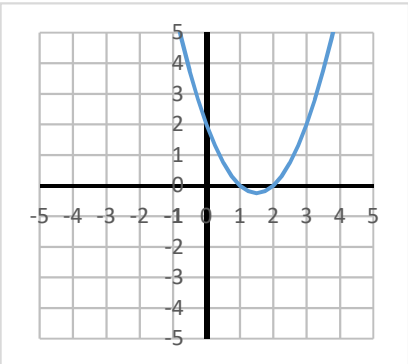
b) $f(x) = -(x - 1)(x + 3)$



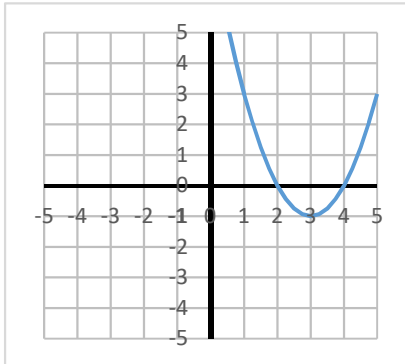
c) $f(x) = (x - 2)(x + 4)$



d) $f(x) = (x - 2)(x - 1)$



e) $f(x) = (x - 4)(x - 2)$



f) $f(x) = (x + 1)(x - 2)$

