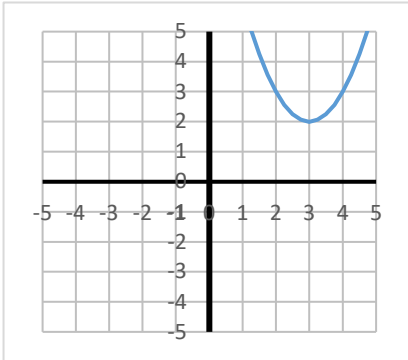


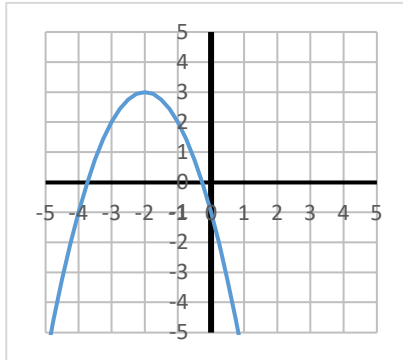
## Quadratische Funktionen am Graph ablesen

**Aufgabe 1: Gib die Funktionsgleichung in Scheitelpunktform an.**

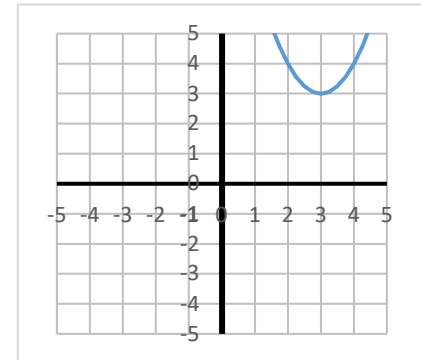
a)  $f(x) =$



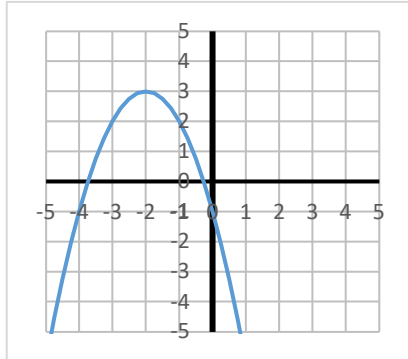
b)  $f(x) =$



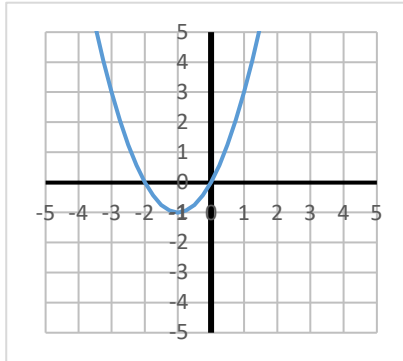
c)  $f(x) =$



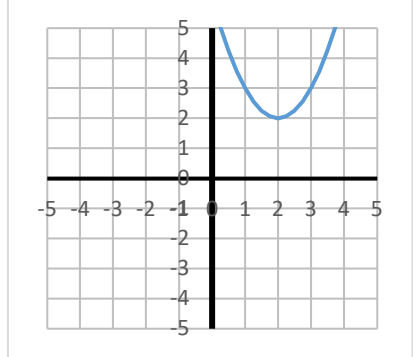
d)  $f(x) =$



e)  $f(x) =$

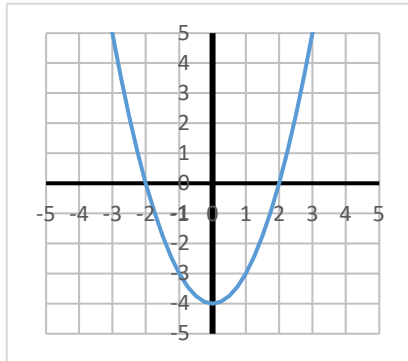


f)  $f(x) =$

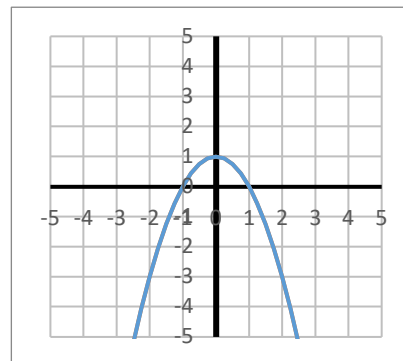


**Aufgabe 2: Gib die Funktionsgleichung in faktorisierte Form an.**

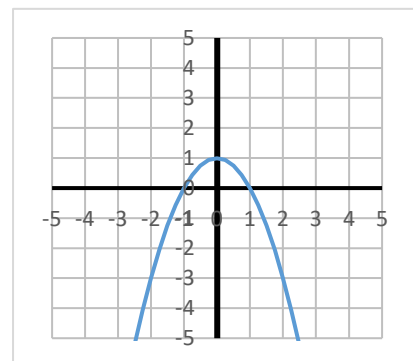
a)  $f(x) =$



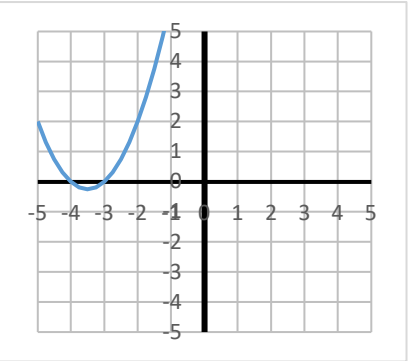
b)  $f(x) =$



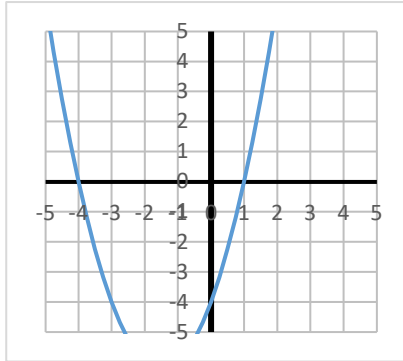
c)  $f(x) =$



d)  $f(x) =$



e)  $f(x) =$



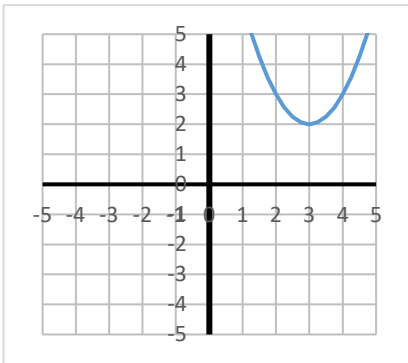
**Erklärvideo**



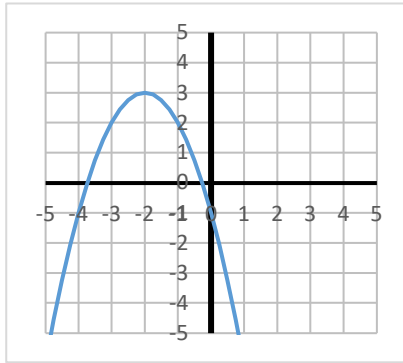
**Lösung:**

**Aufgabe 1:**

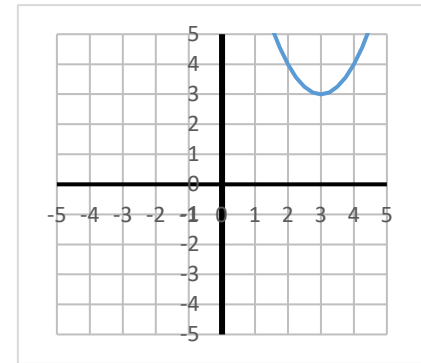
a)  $f(x) = (x - 3)^2 + 2$



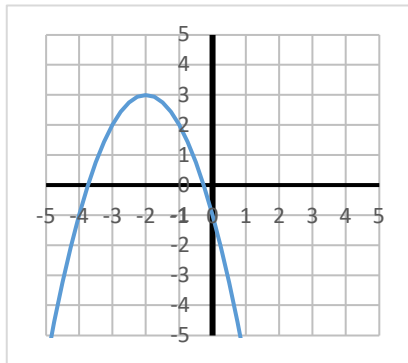
b)  $f(x) = -(x + 2)^2 + 3$



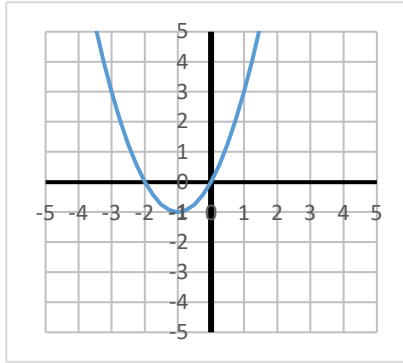
c)  $f(x) = (x - 3)^2 + 3$



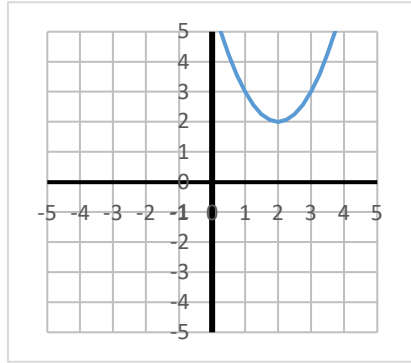
d)  $f(x) = -(x + 2)^2 + 3$



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

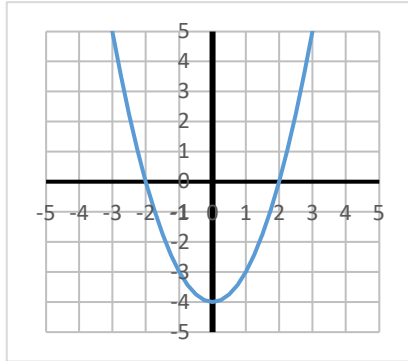


f)  $f(x) = (x - 2)^2 + 2$

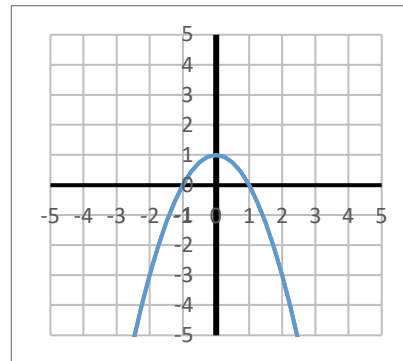


**Aufgabe 2:**

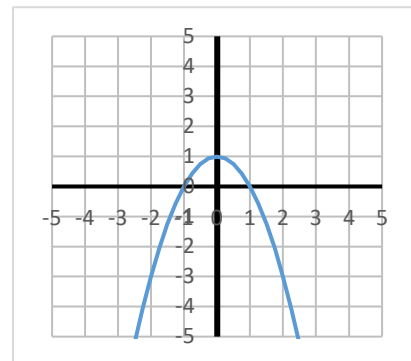
a)  $f(x) = (x - 2)(x + 2)$



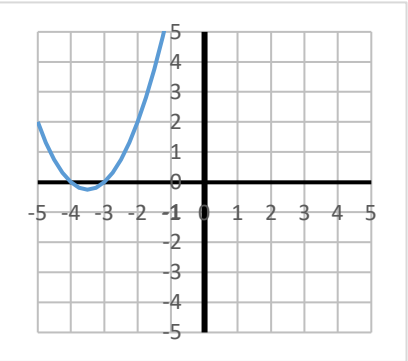
b)  $f(x) = -(x + 1)(x - 1)$



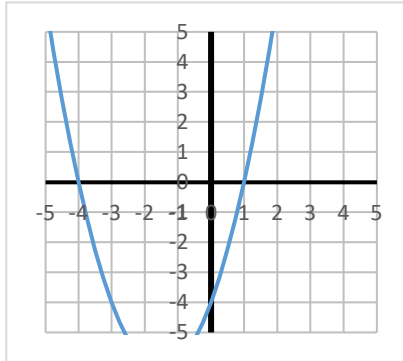
c)  $f(x) = -(x - 1)(x + 1)$



d)  $f(x) = (x + 4)(x + 3)$



e)  $f(x) = (x - 1)(x + 4)$



Erklärvideo

