Die allgemeine quadratische Funktion – Funktionsterm (Lösung)

1. $f_1(x) = 1{,}5(x-2)^2 - 0{,}5$

   $f_2(x) = -0{,}5(x+2)^2 + 2$

   $f_3(x) = -0{,}25(x-3{,}5)^2 - 1$

   $f_4(x) = 3(x+3)^2 - 4$

2. $f_1(x) = \frac{1}{3}(x-1)^2 - 3{,}5$

   $f_2(x) = 2(x+0{,}5)^2 - 4$

   $f_3(x) = -2{,}5(x-3)^2 + 3$

   $f_4(x) = -(x+4)^2 + 1$

3. $f_1(x) = -0{,}5(x-0{,}5)^2 + 2{,}5$

   $f_2(x) = 4(x+4)^2 - 5$

   $f_3(x) = 1{,}5x^2 - 3$

   $f_4(x) = 0{,}5(x-3)^2 - 2{,}75$

4. $f_1(x) = 0{,}75(x+2{,}5)^2 - 1{,}5$

   $f_2(x) = -3{,}5(x+1)^2 + 3{,}5$

   $f_3(x) = (x-1)^2 - 2$

   $f_4(x) = -1{,}25(x-3)^2 + 2$