Lösungen zu Manipulation am Funktionsgraphen III - IV

1. $f(x) = 2 \sin\left(\dfrac{2}{3}x - \pi\right) + 2$ $g(x) = 3 \sin\left(\dfrac{1}{2}x - \dfrac{\pi}{4}\right) - 1$

   $h(x) = \dfrac{3}{2} \sin\left(2x - \dfrac{\pi}{2}\right) - \dfrac{7}{2}$

2.

3.

4. (a) $p(x) = -2(x+3)^2 + 5$

   (b)   i. $p(x) = -2(x+3)^2 + 7$

       ii. $p(x) = -2(x+3)^2$

      iii. $p(x) = -2(x+2)^2 + 5$

      iv. $p(x) = -2(x+6)^2 + 5$

   (c)   i. $p(x) = -2(x-3)^2 + 14$

       ii. $p(x) = -2(x+5)^2 + 10$