

Lösungen zu Manipulation am Funktionsgraphen III - IV

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

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

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

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