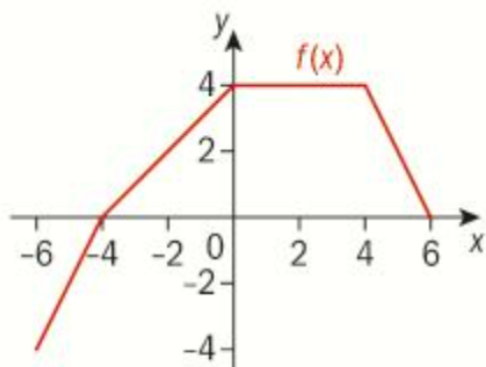


Homework: Translations Exercises 1I

Use graph paper, working carefully and labeling axes sufficiently but not excessively.

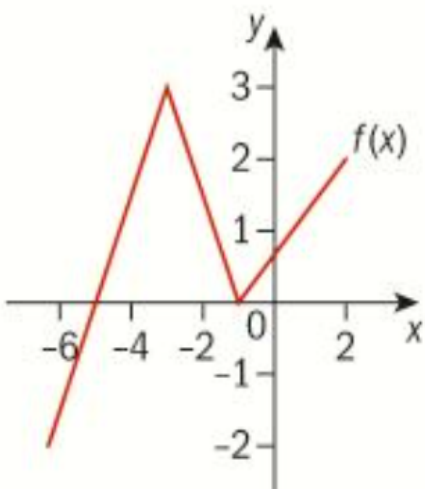
- 1 Copy the graph. Draw these functions on the same axes.

a $f(x) + 4$ **b** $f(x) - 2$ **c** $-f(x)$
d $f(x + 3)$ **e** $f(x - 4)$ **f** $2f(x)$
g $f(2x)$



- 4 Copy the graph of $f(x)$. Sketch the graph of each of these functions, and state the domain and range for each.

a $2f(x - 5)$
b $-f(2x) + 3$



- 7 Let $f(x) = 2x + 1$.

- a** Draw the graph of $f(x)$ for $0 \leq x \leq 2$.
b Let $g(x) = f(x + 3) - 2$. On the same graph draw $g(x)$ for $-3 \leq x \leq -1$.

