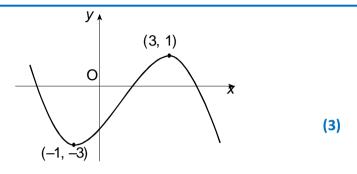


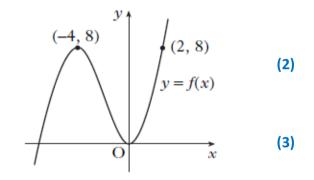


 The diagram shows part of the graph of a function with equation y = f(x)

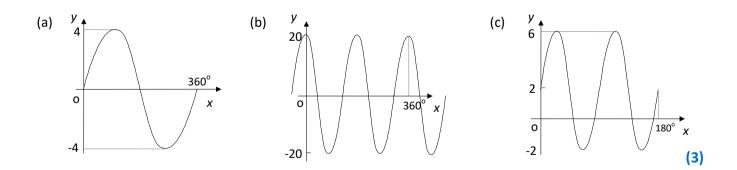
Sketch the graph of y = f(3 - x)



- **2.** The diagram shows a sketch of the function y = f(x).
  - (a) Copy the diagram and on it sketch the graph of y = f(2x).
  - (b) On a separate diagram sketch the graph of y = 1 f(2x)



3. Write down the equation which represents each graph below:



4. Two functions are defined as  $f(x) = px^2 - 1$  and  $h(x) = \frac{5x + q}{2}$ , where *p* and *q* are constants.

(a) Given that f(2) = h(2) = 7, find the values of p and q (4)

(b) Find h(f(x)). (2)