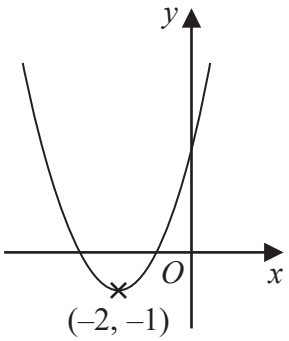
18



The diagram shows the curve with equation $y = f(x)$
The coordinates of the minimum point of the curve are (–2, –1)

(a) Write down the coordinates of the minimum point of the curve with equation

(i) $y = f(x - 5)$

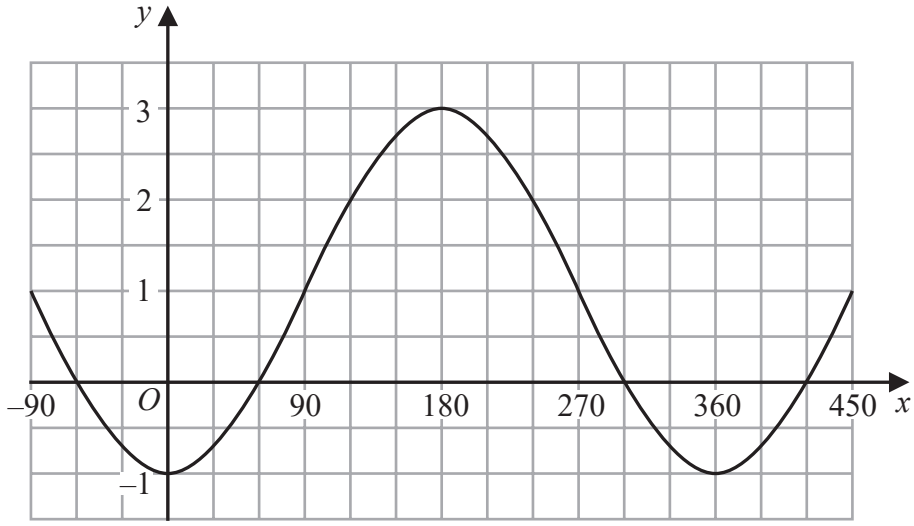
(..... , ...)

(ii) $y = \frac{1}{2} f(x)$

(..... , ...)

(2)

The graph of $y = a\sin(x - b)° + c$ for $-90 \leqslant x \leqslant 450$ is drawn on the grid below.



(b) Find the value of a, the value of b and the value of c.

a = ...

b = ...

c = ...

(3)

(Total for Question 18 is 5 marks)

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