21 A curve has equation $y = f(x)$

There is only one maximum point on the curve.
The coordinates of this maximum point are (4, 3)

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

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

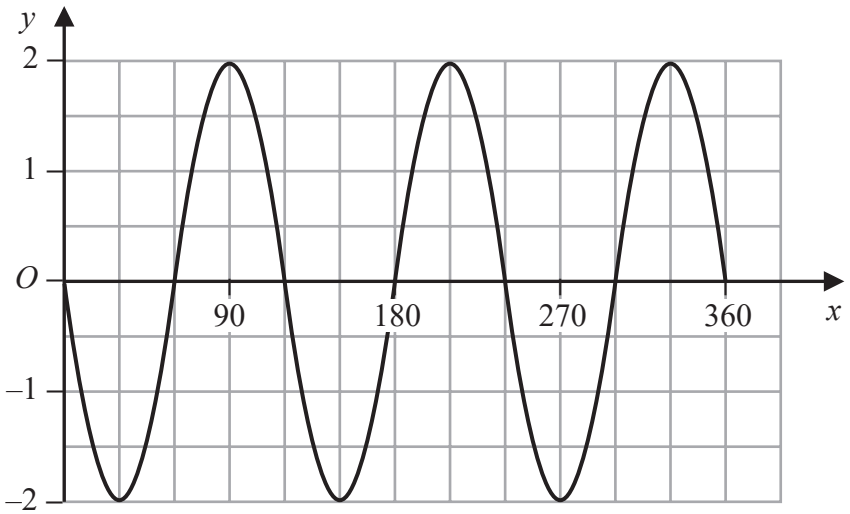
(..... , ...)

(ii) $y = 3f(x)$

(..... , ...)

(2)

Here is the graph of $y = a\sin(bx)°$ for $0 \leqslant x \leqslant 360$



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

$a =$ .....

$b =$ .....

(2)

(Total for Question 21 is 4 marks)

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