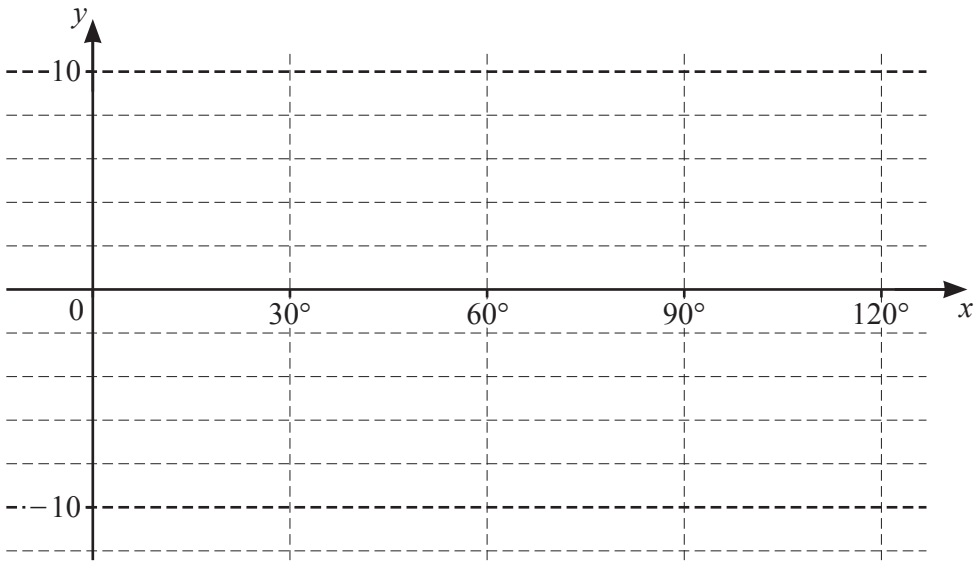
2 The function g is defined for $0° \leqslant x \leqslant 120°$ by $g(x) = 2 + 4\cos 6x$.

(a) On the axes, sketch the graph of $y = g(x)$. [3]



(b) State the amplitude of g. [1]

(c) State the period of g. [1]

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