5 The function f is defined, for $0° \leqslant x \leqslant 810°$, by $\mathrm{f}(x) = -2 + \cos\frac{2x}{3}$.

(a) Write down the amplitude of f. [1]

(b) Find the period of f. [2]

(c) On the axes, sketch the graph of $y = \mathrm{f}(x)$. [2]

