**2** The function g is defined by $g(x) = 5\sin\frac{3x}{4} - 2$ for all values of $x$.

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

**(b)** Write down the period of g in degrees. [1]

**(c)** On the axes, sketch the graph of $y = g(x)$, for $-180° \leqslant x \leqslant 180°$. [3]

