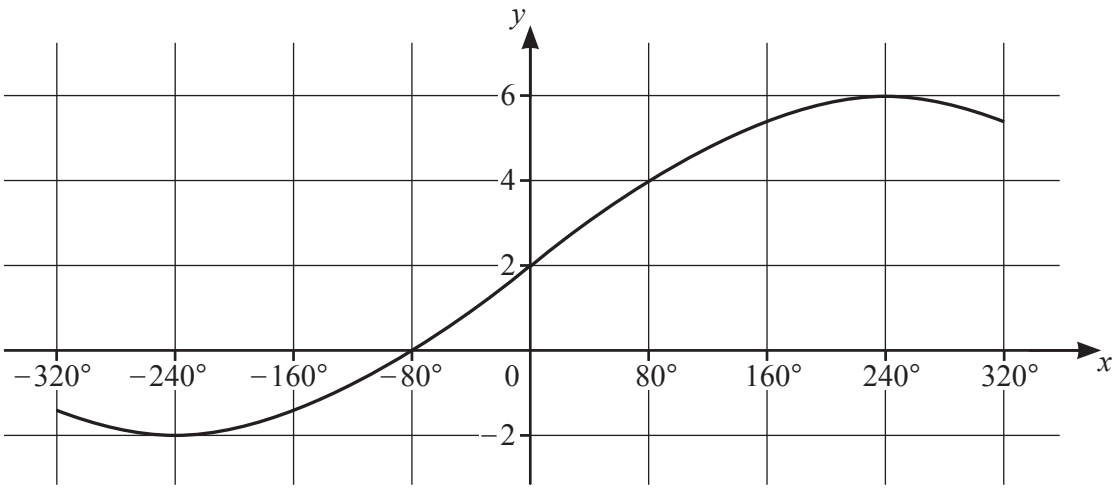
1



The diagram shows the graph of $y = a\sin bx + c$, for $-320° \leqslant x \leqslant 320°$, where a, b and c are constants. Find the values of a, b and c. [3]

2 Solve the equation $3\left(2^{2x+1}\right) - 11\left(2^{x}\right) + 3 = 0$, giving your answers correct to 2 decimal places. [4]

© UCLES 2024