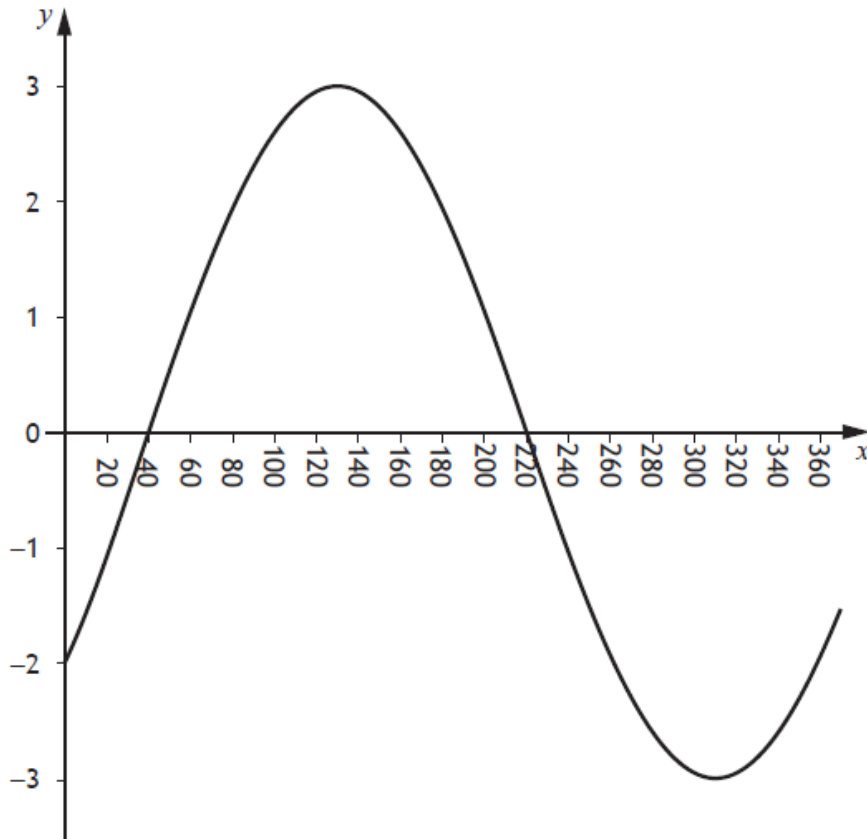


RELATIONSHIPS HOMEWORK 8

Non calculator:

10. The graph of $y = a \sin(x+b)^\circ$, $0 \leq x \leq 360$, is shown below.



Write down the values of a and b .

2

Calculator

Solve the equation $11 \cos x^\circ - 2 = 3$, for $0 \leq x \leq 360$.

3

Challenge Question (Non-calculator)

Simplify $(n^2)^3 \times n^{-10}$.

Give your answer with a positive power.

3