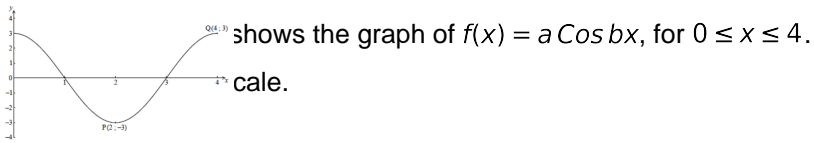


IB Calculus Problem 004



There is a minimum point at $P(2, -3)$ and a maximum point at $Q(4, 3)$.

- A.
- i. Write down the value of a .
 - ii Find the value of b .
- B. Write down the slope of the curve at P .
- C. Find the equation of the normal to the curve at P .