Higher Maths
SQA 2024 Paper 2
Question 9

Higher Maths
Maths.scot

(a) Determine the coordinates of the stationary points on the curve with equation $y = \frac{1}{3}x^3 - x^2 - 3x + 1$. **4**

(b) Hence, determine the greatest and least values of y in the interval $-1 \leq x \leq 6$. **2**

Answers:

(a) $\left(-1, \frac{8}{3}\right)$ and $(3, -8)$

(b) greatest = 19 and least = -8

This resource is free to distribute and use on a non-commercial basis. Visit Maths.scot for notes and worked examples for every Higher Maths topic.