

Higher Maths  
SQA 2023 Paper 1  
Question 8



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A function,  $f$ , is defined on  $\mathbb{R}$ , the set of real numbers, by  $f(x) = x^3 + 3x^2 - 9x + 5$ .

Find the coordinates of the stationary points of  $f$  and determine their nature.

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Answer:

Maximum turning point at  $(-3, 32)$ .

Minimum turning point at  $(1, 0)$ .