AQA – Data presentation and interpretation – AS Mathematics P2

1. June/2020/Paper_2/No.12

A curve has gradient function

$$\frac{dy}{dx} = 3x^2 - 12x + c$$

The curve has a turning point at $(-1, 1)$

(a)   Find the coordinates of the other turning point of the curve.

Fully justify your answer.

[6 marks]

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(b)   Find the set of values of x for which y is increasing.

[2 marks]

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