AQA – Sequence and series – A2 Mathematics P2

1. June/2020/Paper_2/No.3

Find the coefficient of x^2 in the binomial expansion of $\left(2x - \dfrac{3}{x}\right)^8$

[3 marks]

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2. June/2019/Paper_2/No.9(a-b)

(a) Show that the first two terms of the binomial expansion of $\sqrt{4-2x^2}$ are

$$2 - \frac{x^2}{2}$$

[2 marks]

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(b) State the range of values of x for which the expansion found in part (a) is valid.

[2 marks]

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