

Advanced Higher Maths
SQA 2018 Paper
Question 3



(a) Write down and simplify the general term in the binomial expansion of

$$\left(2x + \frac{5}{x^2}\right)^9$$

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(b) Hence, or otherwise, find the term independent of x .

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Answers:

(a) $\binom{9}{r} 2^{9-r} 5^r x^{9-3r}$

(b) 672000