

Advanced Higher Maths
SQA 2016 Paper
Question 3



Write down and simplify the general term in the binomial expansion of $\left(\frac{3}{x} - 2x\right)^{13}$.

Hence, or otherwise, find the term in x^9 .

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Answers:

$${}^{13}C_r \left(\frac{3}{x}\right)^{13-r} (-2x)^r$$

$$-1437696x^9$$