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

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

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

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Answers:

(a) $\binom{13}{r} (3)^{13-r} (-2)^r x^{2r-13}$

(b) $-1437696x^9$