Edexcel AS Mathematics The binomial expansion integral

Section 1: Using binomial expansions

Section test

- 1. The value of $_{12}C_3$ is
- 2. The value of $_{15}C_{11}$ is
- 3. In the expansion of $(a-b)^5$, find the term in a^2 and the term in b^4 .
- 4. In the expansion of $(x+3)^8$, find the coefficient of x^3 , the coefficient of x^4 and the coefficient of x^6 .
- 5. In the expansion of $(2x-1)^{30}$, find the coefficient of x^2 and the coefficient of x^3 .
- 6. Using the first three terms of the expansion of $(1-2x)^{12}$ and the substitution x = 0.01, find an approximate value for 0.98^{12} . Give your answer to four decimal places.

