

Transition - Binomial Self-Assessed Exercise

Jan 05

- 4 Find the coefficient of x^3 in the expansion of $(2 + 3x)^5$. [4]

Jun 05

- 5 Find the binomial expansion of $(2 - x)^3$. [4]

Jan 06

- 3 Find the binomial expansion of $(2 + x)^4$, writing each term as simply as possible. [4]

Jun 06

- 8 Calculate 6C_3 .

Find the coefficient of x^3 in the expansion of $(1 - 2x)^6$. [4]

Jan 07

- 5 Calculate the coefficient of x^4 in the expansion of $(x + 5)^6$. [3]

Jun 07

- 6 Find the coefficient of x^3 in the expansion of $(3 - 2x)^5$. [4]

Jan 08

- 7 (i) Find the value of 8C_3 . [2]

(ii) Find the coefficient of x^3 in the binomial expansion of $(1 - \frac{1}{2}x)^8$. [2]

Jun 08

- 8 Find the coefficient of x^3 in the binomial expansion of $(5 - 2x)^5$. [4]

Jan 09

- 5 (i) Find the coefficient of x^3 in the expansion of $(x^2 - 3)(x^3 + 7x + 1)$. [2]
(ii) Find the coefficient of x^2 in the binomial expansion of $(1 + 2x)^7$. [3]

Jun 09

- 5 (i) Calculate 5C_3 . [2]
(ii) Find the coefficient of x^3 in the expansion of $(1 + 2x)^5$. [2]