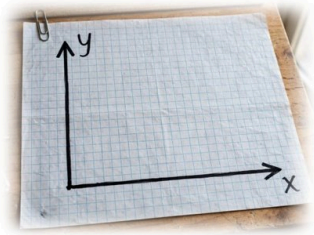
BINOMIAL THEOREM - PRACTICE TEST | NEW BRUNSWICK FOUNDATIONS OF MATHEMATICS 120 · UNIT D · 5 QUESTIONS

Binomial Theorem, 5-question test — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A coordinate grid shows x and y axes. The sum of the coefficients in the expansion of (x plus y) to the power 8 is**



Question 1

A coordinate grid shows x and y axes. *The sum of the* coefficients *in the* expansion *of* $(x + y)^8$ *is*

ANSWER

Understand It with Pulse | Flag a mistake

2 **The coefficient of x to the power 2 in the expansion of (2x plus 1) to the power 4 is**

Question 2

The coefficient *of* x^2 *in the* expansion *of* $(2x + 1)^4$ *is*

ANSWER

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3

The coefficient of x to the power 3 in the expansion of (2x plus 1) to the power 5 is

Question 3

The coefficient *of* x^3 *in the* expansion *of* $(2x + 1)^5$ *is*

ANSWER

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4

The coefficient of x to the power 1 in the expansion of (3x plus 1) to the power 4 is

Question 4

The coefficient *of* x^1 *in the* expansion *of* $(3x + 1)^4$ *is*

ANSWER

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5

The coefficient of x to the power 4 in the expansion of (2x plus 1) to the power 6 is

Question 5

The coefficient *of* x^4 *in the* expansion *of* $(2x + 1)^6$ *is*

ANSWER

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ANSWER KEY

1. 256
2. 24
3. 80
4. 12
5. 240

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