BINOMIAL THEOREM - PRACTICE TEST | NEW BRUNSWICK FOUNDATIONS OF MATHEMATICS 120 · UNIT D · 10 QUESTIONS

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

3 The coefficient of x^3 in the expansion of $(3x + 1)^6$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The coefficient of the term with x^3 in the expansion of $(x + 1)^6$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The coefficient of the term with x^2 in the expansion of $(x + 1)^7$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The coefficient of the term with x^4 in the expansion of $(x + 1)^8$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 The term containing x^4 in the expansion of $(x + 1)^9$ has coefficient

- A 126
- B 127
- C 125
- D 252

Understand It with Pulse | Flag a mistake

10 The term containing x^3 in the expansion of $(x + 1)^{10}$ has coefficient

- A 121
- B 120
- C 119
- D 240

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	90	**5.**	10	**9.**	A
2.	6	**6.**	20	**10.**	B
3.	540	**7.**	21		
4.	40	**8.**	70		

© 2026 Brett Robbins. All Rights Reserved.