SASKATCHEWAN PRE-CALCULUS 30 · UNIT E · 5 QUESTIONS

Permutations, Combinations and the 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 **In the expansion of $(1 + x)^{12}$, the coefficient of x^4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A committee of 3 is chosen from 7 people. The number of possible committees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two shiny silver coins lies on a white surface, both showing heads (profile portraits on the coin faces, not standalone people). A president and a secretary are chosen from 7 people, with no person holding both roles. The number of ways is**



ANSWER _____

Understand It with Pulse | Flag a mistake

4 **In the expansion of $(x + y)^5$, the number of terms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **In the expansion of $(1 + x)^{10}$, the coefficient of x^2 is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 495
2. 35
3. 42
4. 6
5. 45

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