SASKATCHEWAN PRE-CALCULUS 30 · UNIT E

Permutations, Combinations and the Binomial Theorem — Practice Test

Saskatchewan Pre-Calculus 30 • 10 questions

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^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The number of permutations of 7 objects taken 4 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A committee of 3 is chosen from 10 people. The number of possible committees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The number of combinations of 10 objects taken 5 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **In the expansion of $(1 + x)^{8}$, the coefficient of x^{5} is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The number of permutations of 11 objects taken 5 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A committee of 3 is chosen from 5 people. The number of possible committees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The number of combinations of 9 objects taken 5 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The number of permutations of 10 objects taken 3 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	66	**5.**	56	**9.**	10
2.	840	**6.**	55440	**10.**	720
3.	120	**7.**	10		
4.	252	**8.**	126		

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