



Module 5 : Counting Techniques II (?q=onlinecourse/course/43517)

Exercise: Binomial Theorem

- **วิชชาภัทร จินดาภัก** previously submitted answers to this quiz/test on 25-Oct-2023 @ 03:10:49 and obtained **3** correct answers out of **3**.
- This test/quiz can be taken many times.
- Correct answers will NOT be revealed after submission.

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1 Given $A = (x + 2y)^{45}$, Use this information to answer the question 1-3

How many unique terms are there in the expansion of A?

From previous attempt

2

45

46

90

2 What is the binomial coefficient of $x^{20}y^{25}$?

45

45!

45!/(20!25!)

(45!/(20!25!))*2^25

From previous attempt

3 What is the coefficient of $x^{20}y^{25}$?

ant

2^{25}

45

 $(45!/(20!25!))$ $(45!/(20!25!)) \cdot 2^{25}$

From previous attempt

Submit

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