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Binomial

2.0 points possible (graded, results hidden)

Find the coefficient of x^4 in the expansion of $(2x^2 + 1/x^2)^4$.

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Multinomial

2.0 points possible (graded, results hidden)

Find the y independent term (term that contains no y) in the expansion of $(2 + y^2 + 2/y^2)^4$.

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Probability

2.0 points possible (graded, results hidden)

Put your numerical answer in percentage and rounded to 2 decimal places. For example, if the answer is 0.22575 , you have to put 22.58% in the box. DO NOT FORGET TO PUT THE PERCENT (%) SIGN AT LAST. Putting only 22.58 without the trailing percent sign will be assessed as a wrong answer! You must NOT type any other symbol, space, operator, fraction etc in the box.


There are 3 pairwise independent events A,B,C. P(A)= 0.5, P(C)= 0.4, P(A∩B∩C)= 0.01 [i.e. probability of (A intersection B intersection C) is equal to 0.01] What is the value of P(B∩C)? [What is the probability of B intersection C]

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Probability

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If P(A)=¼ and P(B)= 2/4, What is the maximum value of P(AUB)?

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Probability

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Question: Suppose, you flipped a coin, rolled a die and randomly picked a card from the deck altogether. What is the probability that you got (Head, 6, Spade)?

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