

You are taking "Quiz 2 Question" as timed. The timer on the right shows the time remaining in the exam. To receive credit for problems, you must select "Submit" for each problem before you select "End My Exam".

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## Quiz 2 Question

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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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You have used 0 of 2 attempts



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### Multinomial

2.0 points possible (graded, results hidden)

Find the coefficient of  $y^5$  in the expansion of  $(2 + y^2 + 5y^3)^4$ .

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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.

Question: If you randomly choose a card from the deck of cards, what is the probability that the card is red or even numbered?

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You have used 0 of 2 attempts



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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.

If  $P(A) = 1/4$  and  $P(B) = 2/4$ , What is the maximum value of  $P(A \cup B)$ ?

☐**Submit**

You have used 0 of 2 attempts



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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.

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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