

Online Homework Package Created by : Elsit and Satya Mandal		
Course Id :Math 105	Topics in Mathematics	Semester : Summer2017
Instructor :Satya Mandal Line No : 84895		
Homework No: 12	Total Points :50	Due Date:(YYYY-MM-DD) 2017-07-27

Question-1	<p>(Problems in this homework set are on independence.)</p> <p>Probability that a student will get 100 percent in the midterm is .35 and the probability that a student will get 100 percent in the final is .45. What is the probability that the student will get 100 percent in both the midterm and the final?</p>
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Answer Question-1	This is a Numerical-Answer Type Question P(Both) = <input type="text"/>
Points	5.00

Question-2	Refer to Question 1. What is the probability that the student will get 100 percent neither in the midterm nor in the final?
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Answer Question-2	This is a Numerical-Answer Type Question P (neither) = <input type="text"/>
Points	5.00

Question-3	You have two fishing trips scheduled to two different destinations. Probability that you will catch at least 10 pounds during the first trip is .42 and the prpbability that you will catch at least 10 pounds during the second trip is .38. What is the probability that you will catch at least 10 pounds during both the trips.
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Answer Question-3	This is a Numerical-Answer Type Question P(both) = <input type="text"/>
Points	5.00

Question-4	Refer to Question 3. What is the probability that you will catch less than 10 pounds during both the trips.
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Answer Question-4	This is a Numerical-Answer Type Question P(less than 10 in both)=
Points	5.00

Question-5	A couple are looking for jobs. Probability that the man will find a job within a month is .55 and the probability that the woman will find a job within a month is .55 . What is the probability that both will find a job within a month?
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Answer Question-5	This is a Numerical-Answer Type Question P(both) =
Points	5.00

Question-6	Refer to Question 5. What is the probability that neither will find a job within a month?
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Answer Question-6	This is a Numerical-Answer Type Question P(neither) =
Points	5.00

Question-7	According to the poll, 43 percent of the population will support the president. What is the probability that both you and I will support the president?
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Answer Question-7	This is a Numerical-Answer Type Question P (both) =
Points	5.00

Question-8	Refer to Question 7. What is the probability that neither you nor I will support the president?
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Answer Question-8	This is a Numerical-Answer Type Question P(neither) =
Points	5.00

Question-	You buy lamps is a lot of one hundred. Probability that a lot contains some defective lamp is .53.
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9	You buy two such lots of lamps. What is the probability that both will contain some defective lamps.
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Answer Question-9	This is a Numerical-Answer Type Question
	P (both) = <input type="text"/>
Points	5.00

Question-10	Refer to Question 9. What is the probability that neither lot will contain some defective lamps.
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Answer Question-10	This is a Numerical-Answer Type Question
	P (neither) = <input type="text"/>
Points	5.00

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