# Cheatography

## Statistics Exam #2 Cheat Sheet by MADdogz43 via cheatography.com/19662/cs/3725/

#### Test 2

True or False :

1a) The probab ility which comes from the fact that you believe that you have a 1/2 chance of drawing a red card from a standard deck of cards is empirical probab ility. FALSE b) The events "not shitting off the water in the kitchen sink" and " rec eiving a high water bill" are not indepe ndent. TRUE c) The vents " cho osing a student who is male or a finance major from a nearby university to partic ipate in a research study", are mutually exclusive. FALSE

d) 8!= 20160. False

2) Suppose the local shop makes dining room tables in three shapes and in three different finishes. Their production of the last six months is summarized in the following table:

Suppose one table is selected at random, Find the following: A) P(the table is oval) =177/400 B) P(the table is pine or rectan gular) = 101+47 -+26/400 = 177/400 C) P(the tableis round and mahogany) = 43/400D) P(the table is oak | it is round) = 52/129 E)P(the table is oval | it is mahogany) = 62/152. 3) A coordi nator will select 7 songs from a list of 13 songs to compose an event's musical entert ainment lineup. How many different lineups are possib le? A: 13vPv7 = 8648640

### Test 2 (cont)

> 6) A box contains 16 white marbles and 12 green marbles. If two are drawn without replacement, what is the probability that they are both green? - 12/28 \* 11/27 = 132/756.

7) The local restaurant is offering a dinner special that includes an appetizer, an entree, and a dessert. If there are 5 different appetizers to choose from, 11 different entrees, and 4 different desserts, how many different specials are possible? - 5 114 = 220

#### info3

True or False:

1a) The probability which comes from the fact that you believe that you have a 1/2 chance of drawing a red card from a standard deck of cards is empirical probability. FALSE

b) The events "not shitting off the water in the kitchen sink" and "receiving a high water bill" are not independent. TRUE c)The vents "choosing a student who is

male or a finance major from a nearby university to participate in a research study", are mutually exclusive. FALSE d)8!= 20160. False

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Suppose one table is selected at random, Find the following:

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#### info2

True or False :

1a) The probab ility which comes
from the fact that you believe
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drawing a red card from a
standard deck of cards is
empirical probab ility. FALSE
b) The events "not shitting off
the water in the kitchen sink"
and " rec eiving a high water
bill" are not indepe ndent. TRUE



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### info2 (cont)

> c)The vents "choosing a student who is male or a finance major from a nearby university to participate in a research study", are mutually exclusive. FALSE d)8!= 20160. False

2)Suppose the local shop makes dining room tables in three shapes and in three different finishes. Their production of the last six months is summarized in the following table:

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## info4

True or False:

1a) The probability which comes from the fact that you believe that you have a 1/2 chance of drawing a red card from a standard deck of cards is empirical probability. FALSE

b) The events "not shitting off the water in the kitchen sink" and "receiving a high water bill" are not independent. TRUE

c)The vents "choosing a student who is male or a finance major from a nearby university to participate in a research study", are mutually exclusive. FALSE d)8!= 20160. False

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6) A box contains 16 white marbles and 12 green marbles. If two are drawn without replacement, what is the probability that they are both green? - 12/28 \* 11/27 = 132/756.

7) The local restaurant is offering a dinner special that includes an appetizer, an entree, and a dessert. If there are 5 different appetizers to choose from, 11 different entrees, and 4 different desserts, how many different specials are possible? - 5 114 = 220

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#### info5

## True or False :

- 1a) The probability which comes from the fact that you believe that you have a 1/2 chance of drawing a red card from a standard deck of cards is empirical probability. FALSE
- b) The events "not shitting off the water in the kitchen sink" and "receiving a high water bill" are not independent. TRUE

### info5 (cont)

- c)The vents "choosing a student who is male or a finance major from a nearby university to participate in a research study", are mutually exclusive. FALSE d)8!= 20160. False
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