



Account



Dashboard



Courses



Groups



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar

May 2019

- Home
- Syllabus
- Announcements
- Modules
- Discussions
- Files
- DeVry Webex
- Grades
- People
- Media Gallery
- My Media
- Tutoring
- Bookstore
- Evaluations

## WEEK 2: HOMEWORK

Started: Jun 18 at 6:21pm

### QUIZ INSTRUCTIONS

Click the button to start the homework set. You can re-do this assignment as often as you need.

Question 12 pts

The probability of drawing one card and getting queen is  $\frac{4}{52}$ . This would be considered:

*Homework Help:*  
[2DA. Definition of probabilities and classical, empirical, subjective probabilities](#) (DOCX)

- Classical probability
- Manufactured probability
- Empirical probability
- Subjective probability

Question 22 pts

Given the following information, find the probability that a randomly selected student will be very tall. Number of students who are very short: 45, short: 60, tall: 82, very tall: 21

*Homework Help:*  
[2DB. Probabilities from a given distribution of frequencies](#) (DOCX)

- 49.5%
- 21.6%
- 21.0%
- 10.1%

Question 32 pts

Given the following information, find the probability that a randomly selected dog will be a poodle. Number of dogs who are poodles: 31, golden retrievers: 58, beagles: 20, pugs: 38

*Homework Help:*  
[2DB. Probabilities from a given distribution of frequencies](#) (DOCX)

- 21.1%
- 58.0%
- 42.0%
- 39.5%

Question 42 pts

Given that there is a 22% chance it will rain on any day, what is the probability that it will rain on the first day and be clear (not rain) on the next two days?

*Homework Help:*  
[2VA. Probabilities given probability of success and 2 or more events](#) (0:51)  
[2DC. Probabilities given probability of success and 2 or more events](#) (DOCX)

- 17.2%
- 1.1%
- 78.0%
- 13.4%

Question 52 pts

Consider the following table. What is the probability of no?

	Red	Blue	Total
--	-----	------	-------

### QUESTIONS

- [Question 1](#)
- [Question 2](#)
- [Question 3](#)
- [Question 4](#)
- [Question 5](#)
- [Question 6](#)
- [Question 7](#)
- [Question 8](#)

Time Elapsed: [Hide](#)  
 Attempt due: May 20 at 12:59am  
 0 Minutes, 13 Seconds





☞ (DOCX)

- 2.70%
- 2.74%
- 2.73%
- 2.77%

☐ **Question 15** 2 pts

In a sample of 80 adults, 15 said that they would buy a car from a friend. Three adults are selected at random without replacement. Find the probability that none of the three would buy a car from a friend.

*Homework Help:*

[2VG: Probabilities of drawing several from many without replacement, all or none outcomes](#) ☞ (2:16)

[2DH: Probabilities of drawing several from many without replacement, all or none outcomes](#) ☞ (DOCX)

- 17.27%
- 53.16%
- 53.64%
- 15.88%

☐ **Question 16** 2 pts

A sock drawer has 17 folded pairs of socks, with 7 pairs of white, 6 pairs of black and 4 pairs of blue. What is the probability, without looking in the drawer, that you will first select and remove a black pair, then select either a blue or a white pair?

*Homework Help:*

[2VH \(1\): Probability with multiplication rule from numbers and from probability outcomes](#) ☞ (1:30)

[2VH \(2\): Probability with multiplication rule from numbers and from probability outcomes](#) ☞ (0:58)

[2DI: Probability with multiplication rule](#) ☞ (DOCX)

- 24.26%
- 35.25%
- 64.71%
- 22.84%

☐ **Question 17** 2 pts

An investment advisor believes that there is a 28% chance of making money by investing in a specific stock. If the stock makes money, then there is a 43% chance that among those making money, they would also get a dividend. Find the probability that the investor makes money and receive a dividend.

*Homework Help:*

[2VH \(1\): Probability with multiplication rule from numbers and from probability outcomes](#) ☞ (1:30)

[2VH \(2\): Probability with multiplication rule from numbers and from probability outcomes](#) ☞ (0:58)

[2DI: Probability with multiplication rule](#) ☞ (DOCX)

- 28%
- 43%
- 12%
- 15%

☐ **Question 18** 2 pts

An investment advisor believes that there is a 60% chance of making money by investing in a specific stock. If the stock makes money, then there is a 50% chance that among those making money, they would also get a dividend. Find the probability that the investor makes money but does not receive a dividend.

... ..

