


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_


### Ch. 7 Integrated Math 2B Homework for Week of April 9, 2018

**7-84.** At University of the Great Plains the following data about engineering majors was collected: [Homework Help](#) 

	Engineering major	Other major	totals
Live off campus	800	7200	8000
Live on campus	120	11,880	12,000
totals	920	19,080	20,000



- What is the conditional probability of living on campus, given that you know a student is an engineering major?
- What is the probability of living on campus?
- Are the two events, {living on campus} and {engineering major} associated? Why?

**7-91.** A technology group wants to determine if bringing a laptop on a flight is associated with being on a business trip. Data for 1000 random passengers at an airport was collected and summarized in the table below. [Homework Help](#) 

	Laptop	No laptop
Traveling for business	236	274
Not traveling for business	93	397

- What is the probability of a passenger bringing a laptop on a flight if the passenger is traveling for business?
- Does it appear that there is an association between bringing a laptop on a flight and traveling for business?