Please work with your group on these exercises

1. A survey of 120 university students was designed to compare participation in community service for men and women.

Gender	Participates	Does not Participate
Male	20	45
Female	25	30

   (a) What proportion of males participate in community service? What proportion of females do?

   (b) Of those who participated in community service, what proportion are females?

   (c) Use the χ^2 statistic to determine whether or not this sample provides evidence that participation in community service is associated with gender.

2. A survey of students was designed to test whether or not there is an association between choice of major and levels of altruism. Participants filled out a questionnaire from which the researchers were able to classify the level of altruism as Low, Medium or High. Here are the data:

Field of Study	Low	Medium	High
Engineering	12	129	94
Liberal Arts & Education	7	77	129
Management	3	44	28
Sciences	7	29	24