3. A researcher investigates the results of candidates who took their driving test at one of three driving test centres.

A random sample of 620 candidates gave the following results.

		Driving test centre			Total
		A	*B*	*C*	
Result	**Pass**	99	110	68	277
	Fail	108	116	119	343
Total		207	226	187	620

(a) Test, at the 5% level of significance, whether there is an association between the results of candidates' driving tests and the driving test centre. Show your working clearly. You should state your hypotheses, expected frequencies, test statistic and the critical value for this test.

(10)

The researcher decides to conduct a further investigation into the results of candidates' driving tests.

(b) State which driving test centre you would recommend for further investigation. Give a reason for your answer.

(2)

(Total for Question 3 is 12 marks)