Name_____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

1) A teacher figures that final grades in the statistics department are distributed as: A, 25%; B, 25%; C, 40%; D, 5%; F, 5%. At the end of a randomly selected semester, the following number of grades were recorded.

Perform the chi–square test statistic χ^2 to determine if the grade distribution for the department is different than expected at $\alpha=.05$

1) _____

Grade	A	B	C	D	F
Number	42	36	60	14	8