

STAT100 Elementary Statistics and Probability Summer II 2012

Quiz 11, Tuesday, August 14, 2012

Name: _____

Show all work clearly and in order, and circle your final answers. Justify your answers algebraically whenever possible. You are allowed to calculator for basic calculation in this quiz. You have 20 minutes to take this 10 point quiz.

The following table shows the final grades for STAT 100 summer course.

	A	B	C	D	F	Total
Summer I	10	12	9	7	2	40
Summer II	14	17	14	9	1	55
Total	24	29	23	16	3	95

1. (5 points) For the following model: 25% A, 30% B, 25% C, 15% D, 5% F, test the goodness of fit with Summer I data. Use $\alpha = .05$. (Use *ONLY Summer I data to answer this question.*)

2. (5 points) Do the data provide strong evidence that the point distribution of Summer I and Summer II are different? Use $\alpha = .05$.