(10 points; 10 minutes)

8. **Use the survey results below to test the claim that the eight issues listed are equally ranked as most important by voters in the region of the survey. The sample was selected at random from the list of all registered voters.** Let α = 0.025.

Claim: _____

Issue	Count
Taxes	87
Education	105
Security	96
Poverty	108
Transportation	114
Environment	104
Immigration	87
Social Security / Medicare	99
Total =	800

H_0: _____

H_1: _____

(7 points; 8 minutes)

9. **A random sample of 50 houses valued at more than $300,000 found 12% with significant health hazards, while a random sample of 46 homes valued at less than $100,000 found 17.4% with significant health hazards. Create a 95% confidence interval for the difference between the the proportions of the two populations from which the samples came.**