Homework

For each of the problems, please make sure to do the following:

1. When making inferences about one population proportion, use both the Agresti and Coull C.I. and the Wilson C.I. When making inferences about the difference between two population proportions, use the Agresti and Caffo C.I.
2. When performing hypothesis tests, be sure to use all three methods (confidence interval, test statistic and p-value), and complete all steps for each method.

10.11

10.13

10.14

10.15

For b), answer: If estimating π within a margin of error was the most important goal of the survey, how many people must the survey include to have the margin of error less than ±2% with 99% confidence?

10.16

10.20

10.21 - do not answer part c)