

## MS Module 5: Hypothesis testing of proportions – homework assignment

(The attached PDF file has better formatting.)

*Homework assignment:*

Solve end of chapter problem 41 on page 447 (1<sup>st</sup> ed) / page 455 (2<sup>nd</sup> ed), showing all work. The numerical answers are in the appendix to the textbook; for the homework assignment, show how the answer is derived.

- Part (a) derives the rejection region for a given  $\alpha$ .
- Part (b) computes  $\beta$  for an assumed true value.