Lesson 18: Inference for Two Proportions

Preparation

## Solutions

**Please note that the steps show rounded numbers, but that the final answers to the problems are calculated without rounding.**

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| Problem | Part | Solution |
| 1 | - |  |
| 2 | - |  |
| 3 | - |  |
| 4 | A |  |
| 4 | B |  |
| 4 | C |  |
| 4 | D |  |
| 4 | E | NormalDistApplet Students should include a sketch of normal distribution curve with both to the left and right of the two z-scores shaded. |
| 4 | F | reject the null hypothesis |
| 4 | G | We have sufficient evidence to say that there is a difference in the proportions of men who use labels and women who use labels. |
| 5 | - | (0.045, 0.165) |
| 6 | - | We are 95% confident that the true difference in the proportions of men being label users and women being label users is between 0.045 and 0.165. |