

## Homework Solutions

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#### Exercise 23

- (a) False. As in exercise 19,  $\alpha$  and  $\beta$  are based on different distributions, so there is no reason why  $\beta$  would equal  $1 - \alpha$ .
- (b) False. It could occur, but only if the null hypothesis is false, in which case we should have rejected it.
- (c) True.