## Assignment 13a

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## Answer 1

- (a) We can reasonably assume that an issue attitude of 5 (the midpoint of the 0-10 scale) corresponds to a predicted probability of 1/2 for voting for the conservative party. This suggests that a=-1 (solving for a+0.2(5)=0).
- (b) Given our fitted model

$$y = 0.1 + 0.2x + (0.3 + 0.4x)z + \text{error},$$

we would estimate the population average causal effect as  $0.3+0.4\bar{x}$ , where  $\bar{x}$  is the population average pre-treatment measurement.