

**Homework Solutions**  
**Chapter 3 – Page 196**

**Review Exercise 51**

- (a) (iii) Confounding variable.
- (b) (i) False. IQ is the *response* variable.
  - (ii) False. The significance level is the chance of a *Type I* error.
  - (iii) True. That is what it means to say that the results were statistically significant.
  - (iv) False. To be statistically significant, the *p*-value must be *smaller* than the significance level.