(4) I correctly identified that the problem was asking about data points that are unusual as identified by studentized residual values with a magnitude greater than 2. In the testing frenzy, I correctly answered (a) observation 66, but I missed (b) observation 65 and (d) observation 53. a,b, and d are the correct answers those points lay beyond the heavy-dashed, green line, indicating their studentized residuals are greater magnitude than 3.

(76) During the exam, I was considering saying that the tests were equally reliable because I didn't learn any into from the 3 models, their residual plots or normal quantile plots that suggested otherwise, thenever, the wording of the question encouraged me to pick one fest, so I correctly guessed that the aerall F-test was more reliable than the Wested F-test, but for the wrong reasons, I how know that we have to theck the regression assumptions for the reduced and full models that we are examining withe Fitest. The full interest of the full int interaction model appears to meet all of the regression assumptions, Hunerer, the reduced model for the rested F-test simplifies to model 1. In model1's residual plot, we can identify a slight curved pattern that indicates a. Violation of the linearity assumption. The notation of this assumption suggests that the nested F-test may be less reliable. Ideally, I would want to whealthe assumptions for the reduced, no-intercept model for the overall F-test. However, I know that, because the residuals for a no-intercept model moveld be yi-y, the residuals are simply being centered around 0, and it's more likely that the overall F-test mill be more reliable as both the full and reduced models more likely meet the regression assumptions,