Test Dulce Ventura Corrections 1) b&d 2) c&d 5) a & b Ba) Based on the quantiles plot, we can say that the data normally in the center, but has neavier tails as seen in the beginning & end of the plot. Overall, I say that it w meet the conditions of normality for inference wiren that the data comes from a random sample of singaporean diamonds, we can treat it as a random sample of diamonds at the time we don't have information on where the diamonds are mined, from, but we can assume that the singaporean diamond were chosen at random. Therefore, this It satisfy's the randomness assumption for inference As for assessing the fit of the model, the residual plot does not demonstrate any pattern in the plots (they look random) there fore the linearity assumption is met there is also constant variance throughout the plot except for some few points (they may be outliers). Overall, the constant variance assumption is met the 9d) To determine f this model is a good fit for the data after assessing the assumption, we can utilize the p. value for B, on the ANOVA table. This p value is produced by a total and allows us to exact reject the null The practice inform us to reject the null hypothesis (Ho! B = 0) and accept the atternative hypothesis (Ha: B, 70) meaning that the slope of the linear relationship is Anomer number we can use is the R2 value. The coefficient of determination assesses the fit by computing the ratio of now much error the model accounts for over the total variation the smaller the R, the less variation that the model accounts for indicating it may not be a good fit.