Worksheet 11 – Chapter 10 – Simple Linear Regression

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. You want to develop a model to predict the selling price of homes based on assessed value. A random sample of 30 recently sold single-family houses in a small city is selected to study the relationship between selling price (in thousands of dollars) and assessed value (in thousands of dollars). The data are in the HOUSE file.

Using the steps shown in the notes, the flow chart from the notes & book, perform a simple linear regression analysis of this data. Use DDXL to perform the initial analysis, then provide interpretations within the context of this problem of the values found from DDXL.

If appropriate, predict the selling price for a house whose assessed value is $170,000 and create a 95% confidence interval for that value.