Names (up to three, legible roster names):
MATH 1470 Tintera CH 3 (II) Exercise Template

4 Put the Hepatitis B data in the table below

4a. (1) Conclusion as to whether a linear model would be reasonable for the hepatitis B data (using methods from Chapter 1).

4a. (1) Regression model (from Excel or attach scratch work) Be sure to define variables.

4b. (1) Conclusion as to whether an exponential model would be reasonable for the hepatitis B data

4b. (1). Regression model (from Excel or attach scratch work). Be sure to define variables.

4c. Attach a graph (Labeled GRAPH A) of Hepatitis B data along with models. Put your discussion about your preference for the model (linear or exponential). Be sure to highlight which criteria (correlation, residuals, graphs, intercepts) you use to come to your conclusion.

4d Put the Salmonella data in the table below (repeat parts a-b-c for this data)

4a. (1) Conclusion as to whether a linear model would be reasonable for the Salmonella data (using methods from Chapter 1).

4a. (2) Linear Regression model (from Excel or attach scratch work) Be sure to define variables.

4b. (1) Conclusion as to whether an exponential model would be reasonable for the Salmonella data

4b. (2). Exponential regression model (from Excel or attach scratch work). Be sure to define variables.

4c. Attach a graph (Labeled GRAPH B) of Salmonella data along with models. Put your discussion about your preference for the model (linear or exponential). Be sure to highlight which criteria (correlation, residuals, graphs, intercepts) you use to come to your conclusion.

5. Enter the Dow Jones year-end closing values in the table below.

5a. Discuss whether or not an exponential model is reasonable for this data.

5b Regression model in form y = k a^t

Attach a graph (Labeled GRAPH C) of the data with models. Does the graph change your answer to part (a). Why, why not?