

Name _____

Exam ID: _____

MAT21A Written Assignment
Due Wednesday, 10/12

Read, Reflect, and React (or Respond) Prompt #4

Many mathematicians want to study and analyze the world around us. One way to do this is to quantify a phenomenon, using numbers, and notice patterns about it. Towards this goal, time-based functions were created and have been the study of mathematicians for centuries. These functions are used to describe things like the Dow Jones Industrial Average or the distance of our planet relative to the sun. Today, I presented a time-based example using the surrounding temperature of my rack of ribs. I would like you to think of your own example, and:

1. Provide a graph of a time-based function that is connected to your life. Make sure to provide a description of what this graph represents. Also, discuss the continuity of this function and note points of discontinuity.