

Name _____

Exam ID: _____

MAT21A Written Assignment
Due Monday, 11/28

Read, Reflect, and React (or Respond) Prompt #13

In today's fast-paced world, we are constantly required to make decisions in life. Not all these decisions have an optimal choice, but many of them can be optimized. Some examples of this are quickest path to a destination, the greatest use of limited study time to obtain a good test score, and the best use of our limited resources (like money, gas, water, etc...). Today, I presented an optimization problem by finding the quickest route for Mario to reach a Star. I would like you to think of your own example by doing the following:

1. Create an optimization question that is connected to your life. Try to build the equation that needs to be optimized in your scenario; ideally, this equation would be a function of one variable. Make sure to include units and a picture, if necessary. Solving is optional.