

Math 1050 – Directions for ePortfolio Posting and Reflective Writing

You may choose either the Trucking Costs project OR the Mortgage project to post in your General Education ePortfolio. Your completed project should be scanned to a pdf file and posted in that form. The reflective writing should be typed directly into your ePortfolio OR you may post the typed paper as a pdf file. Please note that posted files *must* be pdf files, not Word documents or other types of files. If you have a recent version of Word you can convert your file to a pdf format using that program. There are also several free pdf converters available. For example, Cute PDF, <http://www.cutepdf.com/Products/CutePDF/writer.asp> , allows you to “print” files to a pdf format.

The ePortfolio posting and reflective writing is worth 4% of your overall score for the class. The score for the assignment will be based on a 10 point scale. Please see the scoring rubric below.

Up to 7 points: The project is posted in the ePortfolio as a pdf file and the ePortfolio is linked to MyPage. The reflective writing addresses at least one example and the other questions posed below. The reflection is at least two paragraphs in length.

8 - 10 points: The project is posted in the ePortfolio as a pdf file and the ePortfolio is linked to MyPage. The reflective writing addresses 2 or more examples and the other questions posed below. The reflection is well written. The work should be clear, well organized and at least one page in length.

12.5 points (only awarded for truly outstanding work): The project is posted in the ePortfolio as a pdf file and the ePortfolio is linked to MyPage by the deadline. The reflective writing addresses 2 or more examples and the other questions posed below. The reflective writing is exemplary. The work offers unique observations and draws insightful, carefully qualified conclusions and is at least one page in length.

Reflective Writing Prompts for this Assignment:

Trucking Costs Project:

Give some other examples of real-life situations that involve optimization. What are the constraints and what is being optimized (either maximized or minimized)? Describe how graphing the function could help you understand the strategy needed to achieve the goal of the optimization. Reflect on how this project relates to the real world. How does this project relate to other classes you have taken? How does this project relate to other aspects of your life? How did this project change the way you think about how algebra can be applied to the real world/other classes/your life? State what ideas changed and why. If this project did not change the way you think, write how this project gave further evidence to support your existing opinion about applying algebra. Be specific.

Mortgage Project:

Give some other examples of real-life situations that might involve exponential growth. If you wished to model these situations, what information (data) would you need to obtain in order to calculate the growth rate? Describe how graphing data could help you determine if the quantity is truly growing exponentially. Reflect on how this project relates to the real world. How does this project relate to other classes you have taken? How does this project relate to other aspects of your life? How did this project change the way you think about how algebra can be applied to the real world/other classes/your life? State what ideas changed and why. If this project did not change the way you think, write how this project gave further evidence to support your existing opinion about applying algebra. Be specific.