**EDLD 5318 Assignment 1**

**Name (Last, First): San Román, Luis**

**Link to your LMS:** [https:/schoology.com](https://schoology.com) **Access code: ZB9N-S5NS-H52XV**

**Link to your ePortfolio:** <https://www.luissanroman.com>

**Enter your Introduction, Learning Goals, Desired Results, Audience, and Outline for your online course using your previously developed UbD plan or 3 column table for your learning environment below using the space you need:**

**Introduction:** On completion of this unit, students having expanded on previous knowledge, will extend their knowledge by examining various representations of relations in verbal, tabular, graphical and symbolically to determine its functionality, determine the domain and range of each mathematical function and realistic domain and range of applications of functions (real-world), such determinations will be for linear, quadratic and exponential functions in order to obtain a deep understanding of what a function is.

**Learning Goals:** A.2(A) – Determine the domain and range of a linear function in mathematical problems; determine reasonable domain and range values for real world situations, both continuous and discrete; represent domain and range using inequalities.

A.6(A) – Determine the domain and range of quadratic functions and represent the domain and range using inequalities.

**Desired Results**: Students will be able to -

* Define the various components of a function.
* Create the various representations of a function given one type.
* Determine which type of function is represented from its data.
* Describe the realistic domain and range in the application of a real-world situation in order to make predictions and critical judgements.

**Audience:** 9th grade level students

**Outline: Unit 2 – Introduction to Functions (12 days)**

* Functions
  + Identifying
  + Ordered Pair
  + Graphs
  + Tables
  + Verbal Description
* Evaluating
  + Evaluate (ex. f(5)) from multiple representations
* Domain and Range
  + Review Independent and Dependent Variables
  + Find domain and range from mapping, tables, graphs, and verbal description
  + Writing domain and range using inequality notation:
    - Discrete
    - Continuous with end points
    - Continuous with infinite ends
  + Reasonable domain and range
* Review
* Test Review
* Test

**List and briefly describe in your assignment document the materials you will enter into your chosen LMS below using the space you need:**

**Lesson: example explanations will be a combination of animated documents, videos, step-by-step examples and explanations, and vocabulary definitions.**

**Assignments: will be completed through:**

<https://getmoremath.com> **(Access code: FDKDYT)**

**Assignment Value:** 50 points

**Instructions**

From the assigned readings, the weekly discussions, and from your supporting research you will create separate but related resources as listed below:

* Create an account in Schoology or other Learning Management System with access for professor and Instructional Associate. **Make sure your name is displayed in the name of your course (Last name, first initial, course name).**
* Submit your Introduction, Learning Goals, Desired Results, Audience, and Outline for your online course using your previously developed UbD plan or 3 column table for your learning environment.
* List and briefly describe in your assignment document the materials you will enter into your chosen LMS.
* Submit document with links to LMS and ePortfolio into Blackboard.
* Download Planning Questions document and answer questions 1-5.

**Submission Details:**  
  
This assignment is unique to you, your circumstances, and your organization so you need to determine who your audience is, why and how they will use this information, and what impact you are looking to make. Since you own this assignment, and more importantly the ideas within the assignment, you need to choose how you will format and present this information. Refer to [Who Owns the Eportfolio - http://www.harapnuik.org/?page\_id=6050](http://www.harapnuik.org/?page_id=6050%20) for a more detailed explanation of idea ownership.

Even though your evidence of learning for this assignment may take the form of a Google document, video, presentation, blog post or other digital format you will be required to use the provided this document template to submit the assignment URL.

* Paste the correct and accessible URL into the space at the top of the document template,
* Add your name to the document,
* Rename the file with your name and assignment identifier,
* And upload the file to Blackboard by or before the deadline.

If your evidence of learning does take the form of a Word document then you can simply paste the content into the document template and complete the assignment submission as outlined above.

The School of Education is using this submission process in its online courses for two reasons:

1. We wish to provide you an offline copy of the assignment instructions that you can refer to.
2. We want to ensure there is a consistent and permanent record of assignment submissions that can efficiently be converted to hard copy.

**Formats:**

* Use the APA format to cite your sources.
* Use the assignment name, your last name and first initial (assignment name + last name + first initial) to label your assignment submission.

**Add to eportfolio:**

Since this assignment is part of the course outcome of developing an online course, you will also need to add this to your eportfolio. In the final module you will be required to consolidate all the course assignments into a cohesive section on your eportfolio, so we recommend that you add this to your eportfolio as you go along rather then wait until the end.