

Projects For Linear Functions

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Projects For Linear Functions

Project #1: Modeling with Linear Functions

Project #1: Modeling with Linear Functions Find a data set of interest to you that can be modeled well by a linear function, and create the model:

- clearly define your input and output variables;
- create a scatterplot for the data (this plot should exhibit little if any curvature so that a linear model is appropriate) and label it properly;

Using Technology to Discover and Explore Linear Functions ...

explore functions and discover basic facts about them on their own Students then work with real life data and on real life problems to draw graphs and form linear models that correspond to given situations as well as draw inferences based on their models Participants will receive complete classroom materials for the unit on linear functions

Linear Patterns

Examples of Linear Patterns = 0 so these functions always go through (0, 0) Proportional and non Proportional Situations Proportional and non Proportional Situations () 4 (1) 5 (2) 6 $f(x) = x + 4$ This function is non proportional Proportional always linear and of the form $y = mx$ Proportional and non Proportional Situations It is linear of the form $y = mx$ It passes through the

Algebra I Final Project - Marvelous Math with Mrs. P

Algebra I Final Project Introduction: Systems of linear equations are a useful way to solve common problems in different areas of life One of the most powerful ways to use them is in a comparison model where two similar situations are compared side by side to determine which one is better In this project, you will be using systems of linear

LINEAR SCHEDULING ANALYSIS TOOLKIT FOR ROAD AND ...

FLSP v10 is a linear scheduling toolkit which has two functions; the first function is that FLSP schedules a specific linear construction project by using the Linear Scheduling Method and the second is that it performs resource management The schedule graph shows the sequence of operations developed in time and space, offering the

Systems of Linear Equations Project

Systems of Linear Equations Project Introduction Systems of linear equations are a useful way to solve common problems in different areas of life One of the most powerful ways to use them is in a comparison model where you have to make a decision on what path you will choose according to your financial situation You will be using systems

Systems of Linear Equations Project

Systems of Linear Equations Project Introduction Systems of linear equations are a useful way to solve common problems in different areas of life One of the most powerful ways to use them is in a comparison model where two similar situations are compared side by side to determine which one is better In this project, you will be choosing

Graphing Linear Equations Quilt Project

This project will assess how well you can graph linear equations in slope-intercept form It will be due on: _____ *We will begin this in class and anything that is not finished during our time together must be completed at home

Wetland Functions Characterization Tool for Linear Projects

WETLAND FUNCTIONS CHARACTERIZATION TOOL FOR LINEAR PROJECTS GUIDANCE INTRODUCTION This tool is to be used in evaluating all wetlands and identifying the functions they provide It is a qualitative tool designed for rapid documentation of linear projects using best professional judgment (BPJ) to characterize the functions provided by a given

Representing Functions of Everyday Situations

Some students, for example may draw a linear graph: If this is the case, spend some time discussing the meaning of a linear graph It is likely that students who have viewed the problem as a linear situation understand that the more workers that are involved, the less time it will take to paint the bridge Explore the specific features of the

A Brief History of Linear Algebra

Second, linear algebra is the study of linear sets of equations and their transformation properties Finally, it is the branch of mathematics charged with investigating the properties of finite dimensional vector spaces and linear mappings between such spaces (wiki) This project will discuss the history of linear algebra as it relates

A Financial Literacy Curriculum Project on Linear ...

Financial Literacy Curriculum Project on Linear Functions 5 NCTM- National Council of Teachers of Mathematics NYSCCSS- New York State Common Core State Standards Point-Slope Form- The equation of a linear functions using a point (x,y) and slope (m) in the form $U - U_5 = I(T - T_5)$ Rate of Change (Slope)-Measure of the steepness of a line between two more

Linear Equations Flag Project - Mr. Hamilton's Math Class

Linear Equations Flag Project You will be using your abilities to work with linear equations to design your own flag An exceptional project will include the following elements Plan (Due April 26th) A plan neatly executed on graph paper The plan should include: Graphs of linear equations to create the color boundaries The project must

Extra Credit Project: Linear Functions

Extra Credit Project: Linear Functions 9/9/2010 In this project you'll be investigating the cost of a hand dryer versus the cost of continually using paper towels The problem with most hand dryers is that they don't work (or at least, they don't work very well or very quickly) This is ...

LECTURE NOTES ON CONSTRUCTION PROJECT MANAGEMENT

The scheduling of linear projects is presented in chapter 6 Chapter 7 is dealing with both the resource scheduling and smoothing problems The schedule compression is, also, presented in chapter 8 Chapter 9 is dedicated for the project finance and cash flow analysis Finally, chapter 01 is dedicated for project control Many solved examples have been added to enable the students to

Linear Regression Project - Weebly

Linear Regression Project In this project you will perform regression analysis on data to develop a mathematical model that relates two variables Then you will use this model to make predictions Objectives Find and use data directly from the internet Produce a scatter plot of the data

Appendix D Sample Student Projects - Directory

Appendix D Sample Student Projects This appendix provides summaries of some projects previously conducted by other students These are included to help you understand the kinds of research questions you could address in your own project

Math 1030 Linear Modeling Proj - SLCC Mathematics Site

3 Find the equation of the linear function that gives the highway mileage as a function of the city mileage 4 What highway mileage does the function predict for a car that gets 21 mpg in city driving? Compare this to the Mercedes-Benz C-Class C250 Coupe and the Subaru Forester 25 X Limited SUV What are the percent differences between

Cool Ideas for Teaching Linear Relationships Using Real ...

Cool Ideas for Teaching Linear Relationships Using Real World Examples Proportional Relationships (Direct Variations): x Relationship between thickness of a single book and the height of a stack of books x Conversion between centimeters and inches x Heart rate vs Elapsed time x ...

Unit 5: Analyze, Solve, and Graph Linear Inequalities

Unit 5: Analyze, Solve, and Graph Linear Inequalities Instructor Overview Tutor Simulation: Skateboarding Championship Purpose This simulation is designed to challenge a student's overall knowledge of linear functions and inequalities Students are asked to ...