



MATH NEWS



Algebra I, Module 1, Topic D

Algebra I

Module 1: Relationships Between Quantities and Reasoning with Equations and Their Graphs

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 1 of Eureka Math (Engage New York) focuses on linear, quadratic, and exponential functions. These are the functions students will focus on throughout their Algebra I course. The goal is to introduce students to these functions by having them make graphs of a situation (usually based upon time) in which these functions naturally arise. As they graph, they will reason quantitatively and use units to solve problems related to the graphs they create.



Focus Area Topic D:

Creating Equations to Solve Problems

Words to Know

Graph of an Equation in Two Variables: The set of all points in the coordinate plane that are solutions to an equation in two variables.

Sequence: An ordered list of elements

Terms of a Sequence: Elements of the list (sequence)

Recursive Sequence: A sequence that is defined by (1) specifying the values of one or more initial term, and (2) having the property that the remaining terms satisfy a recurrence relation that describes the value of a term based upon an algebraic expression in numbers, previous terms, or the index of the term.

Focus Area Topic D:

Creating Equations to Solve Problems

Lesson 25: Solving Problems in Two Ways – Rates and Algebra
http://youtu.be/b8l_LcLeo4c

Lesson 26: Recursive Challenge Problem – The Double and Add 5 Game
<http://youtu.be/Dk6nsqgNjCg>

Lesson 27: Recursive Challenge Problem – The Double and Add 5 Game
<http://youtu.be/zvGb3UskGx4>

Lesson 28: Federal Income Tax
<http://youtu.be/jVO3BudjdI4>

