Direct and Inverse Variation Lesson Plan

Standard(s):
A.1 Solve linear equations and inequalities.

Materials:
• Textbook
• Notebook
• Pencil
• Graphing calculator
• Overhead projector
• Blackboard

Lesson:
A. Definition of *Direct Variatio*n: represented by the equation $y = kx$, where $k \neq 0$. k is known as the *constant of variatio*n. Simply put, if x increases, so does y.

B. Definition of *Inverse Variatio*n: represented by the equation $xy = k$, where $k \neq 0$. It is the reverse of direct variation. As one variable increases, the other decreases.

(Guided practice) Classwork: pp. 239-242 (in textbook); examples 1-5

(Guided practice) Classwork: p. 243; 5-11.

(Independent practice) Homework: p. 243; 12-28 EVEN.

Closure: A *proportion* is made up of two equal ratios.