Group Review

To get full credit on the group review you must show all your work in your ISN.

Directions: After the inverse lesson, create a new section in your notebook.

THIS WILL BE OUT OF FORMAT

Title: Function Unit Review

Objective: Students will review concepts from the Function Unit within a group setting to receive support from group members and teacher.

Vocabulary To Review:

Composition of functions

One-to-one function

Horizontal Line Test

Domain

Range

Independent variable

Dependent variable

Function

Function notation

Parent function

Relation

Stretch

Compression

Translation

Transformation

Reflection

In addition to the test booklet questions, also review the following:

On sections 1.6 and 1.7, questions will be similar to quiz

pg. 79 sections 1.8 and 1.9

#48-55

On section 1.8 pg 63, similar to guided practice questions, #14-27 (especially 25-27) are items to review

On section 1.9, graphing calculators will not be involved. Questions will be more around identifying parent functions, characteristics of parent functions, graphing data from a table to describe the parent function i.e. 11-15

Chapter 9 touches of family function characteristics will have not yet learned. Regarding factoring, you will only be expected to use the distributive property for binomials (FOIL).

Additionally, for chapter 9, you are only expected to know the domain and range for linear and quadratic functions, but do not overlook studying the domain and range for all the parent functions.

9.4 Be aware of the common errors found operating with functions, i.e. combining like terms or distributing correctly. With operations of functions, the type of functions will not be restricted. You will not asked to state domain or range.

Composition of functions will stay within the linear and quadratic functions to be able to address domain and range. Keep in mind $\left(f o g\right)\left(x\right)=f(g\left(x\right))$

 **PLEASE NOTE** $\left(f o g\right)\left(x\right)$ **IS NOT THE SAME AS** $\left(f∙g\right)(x)$ **!!!!**

i.e. $f\left(x\right)=2x^{2}-8$

$$h\left(x\right)=2x+4$$

Find $h(f\left(x\right))$

9.5 Inverse Functions

Inverse functions will be restricted to linear and quadratic functions.

You will also determine whether functions are inverses through composition. Again, functions will remain within the linear and quadratic functions.