Chapter 7 outline- September 2016

Learning Goal: **(7.1-7.3) Students will be able to use function notation, graph functions, model data using functions, and solve problems using systems of equations. (7.4-7.6) Students will understand the process and purpose of linear programming and will be able to model mathematics using an appropriate function for the given data.**

Tu 9-6	Section 7.1: Graphing and Functions (Notes 1-4)	Section 7.1 #21-31 odds, 39,43,47,49,51,53,63,65 (on graphing calculator use graph and table features)
W 9-7 Th 9-8	Finish Notes Sec 7.1 **Groupwork Sec 7.1 #72,74,76,78,80,96,98** Section 7.2: Linear Functions and Their Graphs	Section 7.1 Pg 381-382 #67-83 odds (application exercises) Section 7.2 Pg 391-393 #5, 9, 15, 19, 27, 39, 41, 45, 59-63 odds
F 9-9	Section 7.25: Linear Modeling	Section 7.25 Worksheet
M 9-12	Linear Applications (two points) (WS Notes)	Linear Application (two points) Worksheet
Tu 9-13	Section 7.3: Systems of Linear Equations Solve Systems Algebraically and Graph systems on graphing calculator (Notes 1-8)	Section 7.3 #3, 11, 17, 29, 37, 39
W 9-14 Th 9-15	Section 7.3: Systems of Linear Equations (Notes #9) Applications of Systems of Equations (WS Notes)	Section 7.3 #51 – 63 odds (application exercises) Systems Application Worksheet REVIEW (WS)
F 9-16	**TEST 7.1-7.3**	
M 9-19	Section 7.4	Sec 7.4 #3,8,17,20,24,25,30,38,40,42,45, 47,49
Tu 9-20	Section 7.5 Part 1	Sec 7.5 Part 1 #1,4,5,8,10,11
W 9-21 Th 9-22	Section 7.5 Part 2 Linear Programming Problems WS #1-8 (pick and choose)	Sec 7.5 Part 2 #13,14,15,16
F 9-23	Section 7.6 Note: HW #16, change x=0 to x=0.01	Sec 7.6 #1,3,7,**16,20,22**,31,33,36,37,39 for #16,20,22 add part c) find the regression equation in your graphing calculator

M 9-26	Section 7.6 – Illuminations Activity 1 & 2	7.6 Regression Equations Worksheet
Tu 9-27	Review 7.4-7.6 Ch Review Pg. 440-441 #49-67, 70-74	Finish Review for HW
W 9-28 Th 9-29	**TEST 7.4-7.6**	
F 9-30	**ACTIVITY**	

NAME: _____ Hour: _____

Subject: **Math** ***Course***: **Year 4** ***Quarter***: **1**	
Learning Goal: **I will be able to use function notation, graph functions, model data using functions, and solve problems using systems of equations.**	
4.0	In addition to Score 3.0 The student will: • Detect and analyze misleading claims.
3.0	The student will: • Interpret data presented graphically and modeled by a function equation. • Determine the Cost and Revenue function to find a Break-even point. • Accurately choose a model to fit given data values (Exponential, Logarithmic, or Quadratic regression)
2.0	The student recognizes and describes specific terminology such as: • Slope and vertical intercept of a line • Break-even point • Cost and Revenue The student will: • Solve systems of equations • Graph functions
1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Subject: **Math** ***Course***: **Year 4** ***Quarter***: **1**	
Learning Goal: **I will understand the process and purpose of linear programming and will be able to model mathematics using an appropriate function for the given data.**	
4.0	In addition to Score 3.0 The student will: • Apply linear programming to solve real-life problems with limitations.
3.0	The student will: • Write an objective function describing a quantity that must be maximized or minimized. • Use inequalities to describe limitations in a situation. • Accurately solve problems using linear programming.
2.0	The student recognizes and describes specific terminology such as: • Constraints (inequalities) • Corners (Vertices) of a shaded (feasible) region • Objective function The student will: • Graph systems of Linear inequalities • Determine the minimum and maximum value of an objective function given the graphed region.
1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Scale _____

Reflection: I am happy/unhappy (circle one) with my test grade. In order to earn grades I am happy with on the next chapter, I will begin/continue (circle one) the habit of: