Honors NC Math III – Unit 1 Linear Models and Programming

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| **Date** | **Lesson/Objective** | | | **Homework** | | | **Checked** |
| **Day 1:**  Monday  08/29 | **Parallel and Perpendicular Lines**  *Objective: To recognize parallel and perpendicular lines from graphs and equations.*  *Objective: To find a parallel or perpendicular line when given a graph or equation.* | | | 1-1 | | |  |
| **Day 2:**  Tuesday  08/30 | ***Systems of Linear Equations and Inequalities***  *Objective: To solve a system of linear equations by substitution or elimination*  *Objective: To graph a system or linear inequalities and find the intersection of shading.* | | | 1-2 | | |  |
| **Day 3:**  Wednesday  08/31 | **3x3 Systems of Linear Equations**  *Objective: To solve a 3x3 system of equations by substitution or elimination* | | | 1-3 | | |  |
| **Day 4:**  Thursday  09/01 | **3x3 Systems of Linear Equations and Linear Modeling**  *Objective: Convert a Word Problem into an equation or a system of equations*  *Objective: Solve a 3x3 system of equations using a matrix* | | | 1-4 | | |  |
| **Day 5:**  Friday  09/02 | **Linear Programming (Word Problems) Lego project**  *Objective: To determine the constraint inequalities of a given situation and graph them to find the feasible region.*  *Objective: To determine the objective function of the situation and then use the vertices of the feasible region to maximize or minimize the objective function.* | | | Independent Practice Monthly homework | | |  |
| **Day 6:**  Tuesday  09/06 | **QUIZ 1 Parallel and Perpendicular Lines and Systems of Equations**  **Linear Programming (intro)**  *Objective: To determine the constraint inequalities of a given situation and graph them to find the feasible region.*  *Objective: To determine the objective function of the situation and then use the vertices of the feasible region to maximize or minimize the objective function.* | | | 1-6 | | |  |
| **Day 7:**  Wednesday  09/07 | **Linear Programming (Word Problems)**  *Objective: To determine the constraint inequalities of a given situation and graph them to find the feasible region.*  *Objective: To determine the objective function of the situation and then use the vertices of the feasible region to maximize or minimize the objective function.* | | | 1-7 | | |  |
| **Day 8:**  Thursday  09/08 | **Arithmetic Sequences**  *Objective: To graph an arithmetic sequence and use it to make predictions.* | | | 1-8 | | |  |
| **Day 9:**  Friday  09/09 | **Review for Unit 1 Test**  *Objective: Prepare for Unit 1 Test*  ***EARLY RELEASE*** | | | Review Sheet | | |  |
| **Day 9:**  Monday  09/12 | **Review for Unit 1 Test**  *Objective: Prepare for Unit 1 Test* | | | Review Sheet | | |  |
| **Day 11:**  Tuesday  09/13 | **Unit 1 Test** | | | Pretest homework | | |  |
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