Honors NC Math III – Unit 1 Linear Models and Programming

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| **Date** | **Lesson/Objective** | **Homework** | **Checked** |
| **Day 1:**Monday08/29  | **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:**Wednesday08/31 | **3x3 Systems of Linear Equations***Objective: To solve a 3x3 system of equations by substitution or elimination* | 1-3 |  |
| **Day 4:**Thursday09/01 | **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:**Friday09/02 | **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:**Tuesday09/06 | **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:**Wednesday09/07 | **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:**Thursday09/08 | **Arithmetic Sequences***Objective: To graph an arithmetic sequence and use it to make predictions.* | 1-8 |  |
| **Day 9:**Friday09/09 | **Review for Unit 1 Test***Objective: Prepare for Unit 1 Test****EARLY RELEASE*** | Review Sheet |  |
| **Day 9:**Monday09/12 | **Review for Unit 1 Test***Objective: Prepare for Unit 1 Test* | Review Sheet |  |
| **Day 11:**Tuesday09/13 | **Unit 1 Test** | Pretest homework |  |
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