Honors Math III – Unit 1 Linear Models and Programming

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| **Date** | **Lesson/Objective** | **Homework** | **Checked** |
| **Day 1:**WednesdayJan. 25  | ***Welcome and Expectations******Review Solving Equations***  | 1-1  |  |
| **Day 2:**ThursdayJan. 26  | **Graphing and Writing Linear Equations with 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.* | 1-2 |  |
| **Day 3:**Friday Jan. 27 | **QUIZ 1 Day 1** **Systems of Linear Equations and Inequalities***Objective: To solve systems of linear equations and inequalities by graphing, substitution, and elimination.*  | 1-3 |  |
| **Day 4:**MondayJan. 30 | ***Solving 3-Variables Systems by Substitution & Elimination****Objective: To solve systems of linear equations involving three variables by substitution and elimination* | 1-4 |  |
| **Day 5:**TuesdayJan 31 | **QUIZ 2 Days 2-3****Solving More 3-Variables Systems** *Objective: To solve systems of linear equations involving three variables by substitution and elimination* | 1-5 |  |
| **Day 6:**WednesdayFeb 1 | **Linear Programming** *Objective: To use linear programming to graph constraints to find the feasible region and use the vertices of the feasible region to maximize or minimize an objective function.*  | 1-6 |  |
| **Day 7:**Thursday Feb. 2 | **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:**Friday Feb. 3 | **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.* | 1-8 |  |
| **Day 10:**MondayFeb. 6 | **Review for Unit 1 Test***Objective: Prepare for Unit 1 Test* | Review Homework |  |
| **Day 11:**TuesdayFeb. 7 | **Unit 1 Test** | Factoring Review |  |