**Math 1A**

**Unit 2: Linear Functions**

**Why is it important to be able to represent linear functions in a**

**variety of ways?**

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| Day | Date | Topic | Classwork |
| 1 | Weds.  9/28 | Review of Most Missed Test Problems  Function Notation Continued | Group Presentations of Most Missed Problems  Function Notation Practice |
| 2 | Thurs.  9/29 | Interpreting Graphs  Graphs to Stories  Stories to Graphs | Writing stories to graphs  Interpreting graphs |
| 3 | Fri.  9/30 | **EARLY RELEASE**  Rate of Change | Interpreting and calculating rate of change from graphs |
| 4 | Mon.  10/3 | Slope Formula | Using the slope formula when given two points to find slope |
| 5 | Tues  10/4 | **QUIZ #1 – Unit 2**  Slope from a graph (rise over run) | Using two points on a graph to find the slope of a line |
| 6 | Weds.  10/5 | Graphing in Slope-Intercept Form | Graphing linear equations in slope-intercept form notes and practice |
| 7 | Thurs.  10/6 | Graphing in Standard Form | Changing standard form to slope-intercept form and graphing using slope and y-intercept |
| 8 | Fri.  10/7 | Writing a Linear Equation  (given slope and y-intercept, table, and graph) | Writing a linear equation given slope and y-intercept, given a table, or given a graph notes |
| 9 | Mon.  10/10 | Writing a Linear Equation  (given slope and y-intercept, table, and graph) | Writing a linear equation given slope and y-intercept, given a table, or given a graph practice |
| 10 | Tues.  10/11 | **QUIZ #2 – Unit 2**  Arithmetic Sequence Review  Explicit and Recursive Equations | Review of arithmetic sequence (explicit and recursive equations) |
| 11 | Weds.  10/12 | Comparing Linear Functions  (comparing slopes and y-intercepts) | Comparing two or more linear functions |
| 12 | Thurs.  10/13 | Multiple Representations of a Linear Function (table, equations, verbal descriptions, and graphs). | Representing linear functions in multiple forms (notes and practice) |
| 13 | Fri.  10/14 | Scatter Plots, Line of Best Fit, Linear Regression | Scatter plots, line of best fit, and linear regression notes |
| 14 | Mon.  10/17 | Scatter Plots, Line of Best Fit, Linear Regression | Scatter plots, line of best fit, and linear regression practice |
| 15 | Tues.  10/18 | **QUIZ #3 – Unit 2** | Review of arithmetic sequences, comparing linear funcitons, and linear regression |
| 16 | Weds.  10/19 | Residual Plots | Residual plots and residuals (notes) |
| 17 | Thurs.  10/20 | Residual Plots | Residual plots and residuals (practice) |
| 18 | Fri.  10/21 | **EARLY RELEASE**  Association and Correlation  Correlation Coefficient | Correlation notes and practice |
| 19 | Mon.  10/24 | Review of Units 1 and 2 | Review of units 1 and 2 for midterm |
| 20 | Tues.  10/25 | **Midterm – Cumulative Unit 1 and 2 Test** | Midterm! |
| 21 | Weds.  10/26 | Review of Most Missed Questions on Midterm | Review |
| 22 | Thurs.  10/27 | Review of Solving Equations and Inequalities | Review |
| 23 | Fri.  10/28 | Review of Graphing  **End of Quarter 1** | Review |

Tutorials

Tuesday – Lunch B

Thursday – Lunch A