

FUNCTIONS

FUN1–3 Pre-Assessment

FUN1–3 Pre-Assessment Answer Key

Unit [Standards]	Goals [Pre-Assessment problem(s)]
FUN 1 Introduction to Linear Functions <i>[6.RP.A, 7.RP.A, 8.EE.C, 8.F.A, 8.F.B]</i>	• Create tables, label column headings, keep track of data, label axes, and graph data from tables. [1] • Write input-output equations that represent the data from the tables and graphs. [1] • Analyze data from tables and graphs. Explain, in context, the meanings of vertical intercepts and rates of change. [2] • Clearly explain conclusions about the data in context, verbally, and in writing. [2]
FUN 2 Slope and Slope-Intercept Form of a Line <i>[8.F.A, 8.F.B]</i>	• Find the slope of a line by counting on a grid, using the slope rule with coordinates, or inspecting an equation in the form $y = mx + b$. [1] • Understand the meaning of the slope and y-intercept of a line, and the slope-intercept form of a line. Included is knowing when lines are parallel without graphing them; knowing how to graph a line given two ordered pairs, one ordered pair and the slope, or just an equation; knowing the y-intercept without graphing, etc. [1, 2, 3, 4] • Understand features of equations of lines that are horizontal or vertical. [4] • Solve non-routine problems that involve linear relationships. [embedded in the student packet]
FUN 3 Systems of Linear Equations <i>[8.EE.C, 8.F.A, 8.F.B]</i>	• Use tables, graphs, and equations to solve problems. [1, 3] • Know slope-intercept and standard forms of linear equations. Write linear equations in these forms. [1, 3] • Understand when a system of linear equations has exactly one, infinite, or no solutions. [1, 2, 3, 4] • Solve systems of linear equations using graphing, substitution, and elimination. [1, 3, 4] • Solve word problems using systems of linear equations. [4]