Algebra IB

Carnegie Learning

Chapter 5 Objectives

* Write linear functions given a slope and y-intercept.
* Create tables and graphs of linear functions.
* Interpret the meaning of the x- and y-intercepts for a given problem situation.
* Locate intercepts from a graph.
* Find intercepts algebraically.
* Calculate and understand the meaning of unit rates.
* Calculate the slope of a line through two points.
* Compare slopes and y-intercepts of lines.
* Identify slopes and y-intercepts from equations.
* Write the equation of lines in slope-intercept form from given information and from graphs.
* Graph a line given the slope-intercept equation.
* Write a linear equation given a point and the slope.
* Transform a point-slope equation into slope-intercept.
* Write a slope-intercept equation given two points.
* Write and graph piecewise functions.
* Write linear equations in standard form.
* Transform slope-intercept and point-slope equations into standard form.
* Calculate simple interest.
* Solve literal equations for a given variable.