

Chapter 4 Main Concepts

Calculating Residuals

Arithmetic Sequences

Writing a function for the arithmetic sequence

Graphing (listing coordinate points for the arithmetic sequence)

Finding a term

Graphing piecewise functions

Describe domain and range

How do you know if a situation (table) can be modeled by a linear equation?

Write a linear model for the data

Predicting with interpolation and extrapolation

Graph the equation of the line

Write an equation of a line that is parallel

Write an equation of a line that is perpendicular

Step functions

Identifying type of correlation

Causation

Reading a scatter plot

Write the equation that passes through the given points

Writing the equation based on a situation

Write a linear function from the given values

Write the equation in slope intercept form from the given graph

Write an equation in point-slope form of the line that passes through the given points

Chapter 4 Vocabulary/Terms

Causation

Interpolation

Extrapolation

Residual

Correlation Coefficient

Line of Fit

Correlation

Scatter Plot

Linear Model

Slope-intercept form

Linear Function

Point Slope Form

Slope Formula

Perpendicular Lines

Parallel Lines

Arithmetic Sequence

Common difference

Term

Piecewise Function

Step Function