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Resource ID#: 184711

Primary Type: Student Tutorial

Constructing Functions From Two Points

Learn to construct a function to model a linear relationship between two quantities and determine the slope and y-intercept given two points that represent the function with this interactive tutorial.

Attachments

[Accessible Version](#): Accessible version of tutorial content in PDF format.

General Information

Subject(s): Mathematics

Grade Level(s): 8

Intended Audience: [Students](#)

Keywords: construct a function, rate of change, initial value, (x, y) , slope, y-intercept, b , linear, m , two points, functions, rates of change, points, interactive, tutorials, elearning, e-learning, mathematics

Instructional Component Type(s): [Original Student Tutorial](#)

Resource Collection: Original Student Tutorials Mathematics - Grades 6-8

Source and Access Information

Contributed by: Christopher Clark

Name of Author/Source: Christopher Clark

District/Organization of Contributor(s): Volusia

Access Privileges: Public

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Aligned Standards

| Name | Description |
|-------------------------------|---|
| MAFS.8.F.2.4: | Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. |

Suggested Tutorials

| Name | Description |
|--|--|
| Scatterplots Part 4: Equation of the Trend Line: | Learn how to write the equation of a linear trend line when fitted to bivariate data in a scatterplot in this online tutorial. |
| Constructing Linear Functions from Tables: | Learn to construct linear functions from tables that contain sets of data that relate to each other in special ways as you complete this interactive tutorial. |