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## Linear Functions



## Across

7. A mathematical phrase involving at least one variable and sometimes numbers and operation symbols
8. The appearance of a graph as it is followed farther and farther in either direction
9. A number multiplied by a variable in an algebraic expression; The number in front of variable 12. A number sentence that contains an equals symbol
10. The set of all possible outputs of a function; All $y$-values
11. The set of $x$-coordinates of the set of points on a graph;All $x$-values. The value that is the input in a function or relation
12. A set with elements that are disconnected

## Down

1. With respect to the variable $x$ of a linear function $y=f(x)$, the constant rate of change is the slope of its graph
2. A pair of numbers, $(x, y)$, that indicate the position of a point on a Cartesian plane
3. The ratio of the vertical and horizontal changes between two points on a surface or a line; rise over run
4. A function with a constant rate of change and a straight line graph
5. A linear function representing real -world phenomena. The model also represents patterns found in graphs and/or data
6. The point where a line meets or crosses the $x$-axis
7. The point where a line meets or crosses the $y$-axis
8. Describes a connected set of numbers, such as an interval
