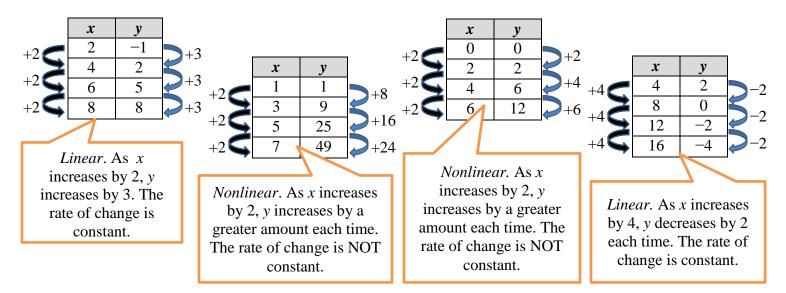
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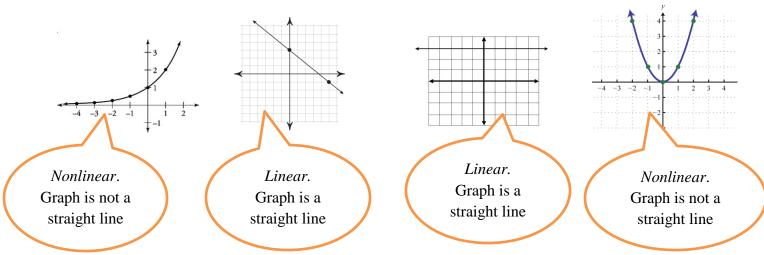
Linear and Nonlinear Functions (page 1)

Linear functions have graphs that are straight lines. The rate of change between any two points is constant. Nonlinear functions are functions whose rates of change are NOT constant—their graphs are not straight lines. We can determine if a function is linear or nonlinear by inspecting a table of values, a graph, and/or the equation.

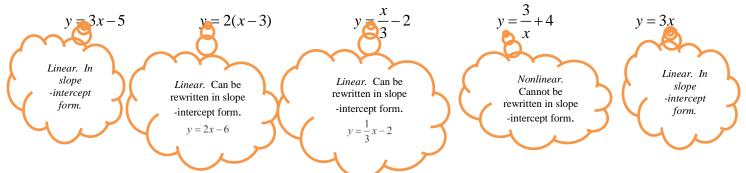
Example: Determine whether each table represents a linear or nonlinear function.



Example: Determine whether each graph represents a linear or nonlinear function.



Example: Determine whether each equation represents a linear or nonlinear function. Remember that all linear functions can be written in the slope-intercept form.



Determine whether each table, graph or equation represents a linear or nonlinear function. Explain.

