

1.3 Graphs of Functions

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Graphing by Plotting Points

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- $f(x)$ is equivalent to y , so $(x, f(x))$ is a point on the graph of a function.
- Pick values for x and plug them into the function to get the y -value.

Examples:

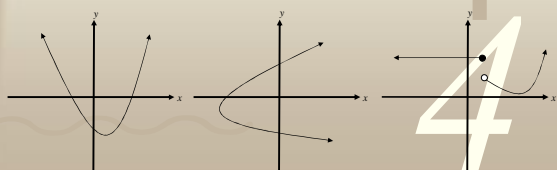
- p. 49, problem 2
- Graph $h(x) = 2 + \sqrt{x}$

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Vertical Line Test

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If no vertical line intersects a graph in more than one place, then the graph represents a function.



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Graphical Solutions

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- p. 53, problem 24
- p. 56, problem 44

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