

Sample Skeletal Outline

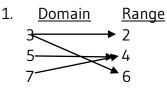
College Algebra: Functions and Their Graphs

Relation vs. Function

_____: a correspondence between two sets; a set of ordered pairs.

	: each x-element () corresponds to one and only one y-element
().		

Sample Problems: Relations or Functions?



This is an example of a ______.

2. <u>Domain</u> $1 \rightarrow 4$ $2 \rightarrow 5$ $3 \rightarrow 6$ Range

This is an example of a ______.

An additional note:

 x is also called the ______ and is a(n) ______ variable because it can be any number in the ______.

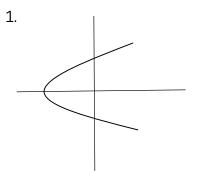
y is also called the ______ and is a(n) ______ variable because its value depends on *x*.

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Graphs of Relations and Functions

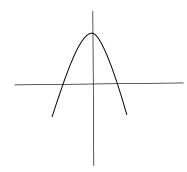
The ______ test can show you if the curve of a graph is a function or not. Remember, a function can have only one output for each input.

Sample Problems: Relations or Functions?



This is a graph of a ______.

2.



This is a graph of a ______.