

## Section 3.2

### The Graph of a Function

## GRAPH OF A FUNCTION

The graph of the function  $y = f(x)$  is the set of points  $(x, y)$  in the  $xy$ -plane that satisfy the equation  $y = f(x)$ .

## THE VERTICAL LINE TEST

A graph is the graph of a function if and only if every vertical line intersects the graph in at most one point.