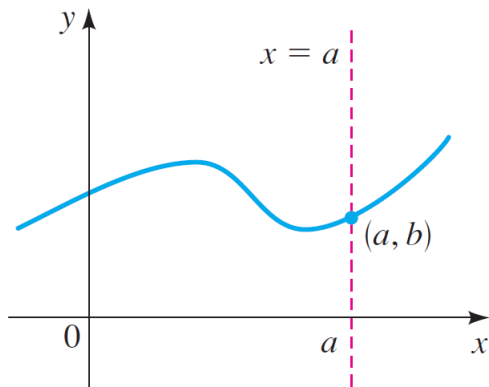
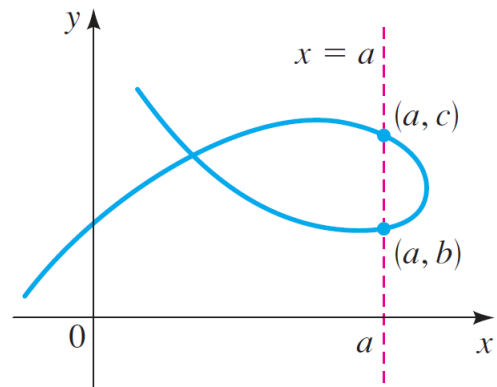


The Vertical Line Test

A curve in the coordinate plane is the graph of a function if and only if no vertical line intersects the curve more than once.

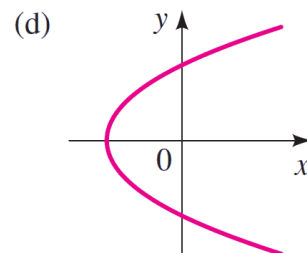
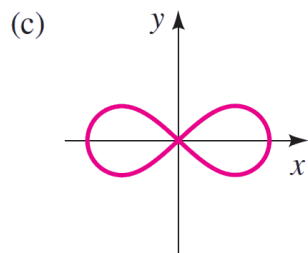
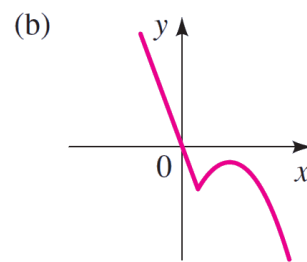
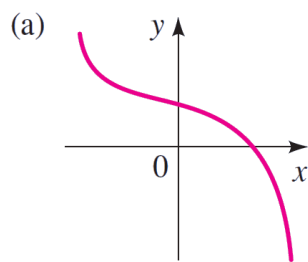


Graph of a function



Not a graph of a function

EXAMPLE: Which of the following are graphs of functions?



Solution: (a) and (b) are graphs of functions, (c) and (d) are not.