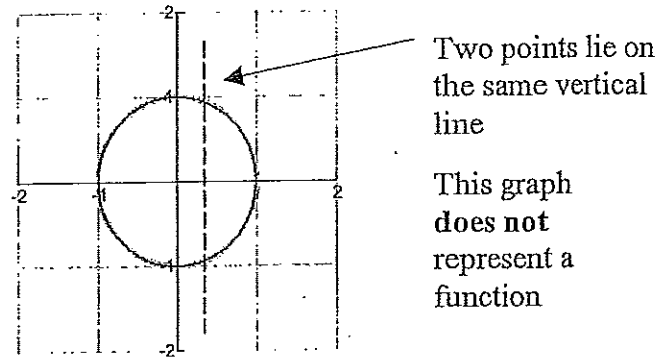
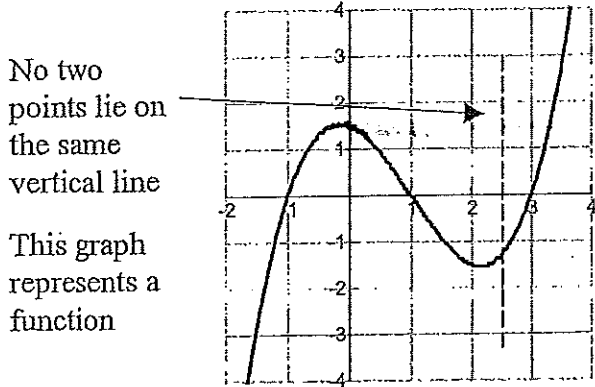


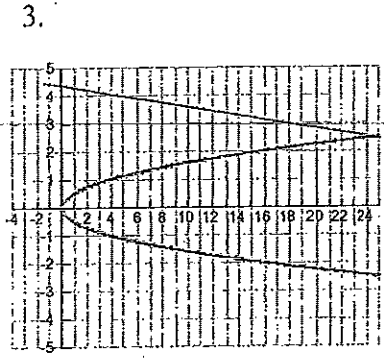
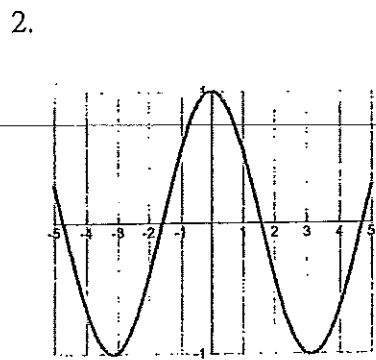
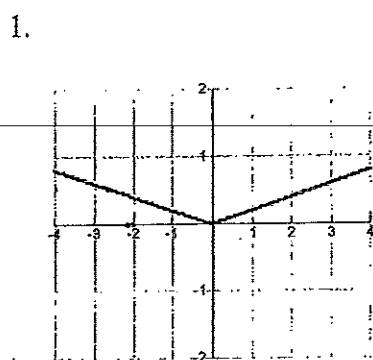
# Recognizing Functions

A function is a relationship in which each value of the independent (control) variable determines exactly one value of the dependent variable.

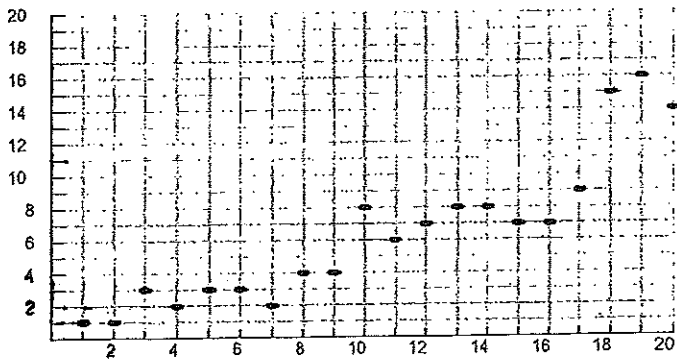
**Vertical Line Test:** A graph with the independent variable on the horizontal axis represents a function if no vertical line meets the graph in more than one place.



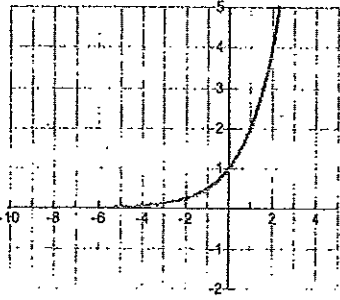
Tell whether each graph represents a function when  $x$  is the independent variable. Explain how you know.



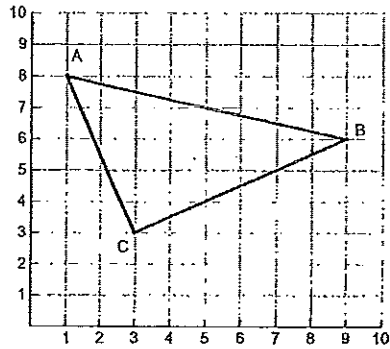
4. Could this graph be represented with a function?



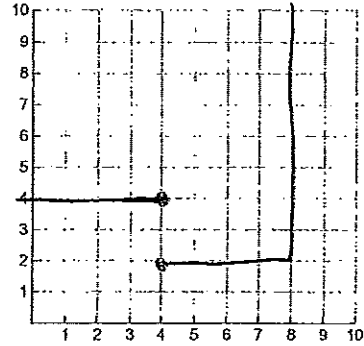
5.



6.



7.



Draw two graphs that are functions and two graphs that are not functions. Explain below how you know each of the graphs can be represented by a function or not.

### Function Graphs

### Non-Function Graphs

