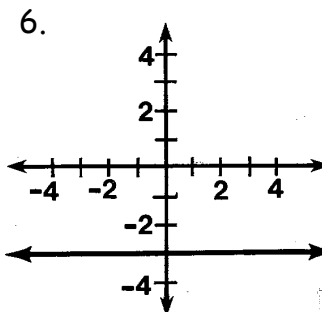
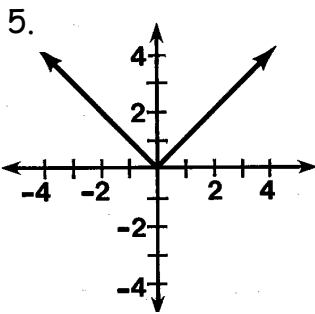
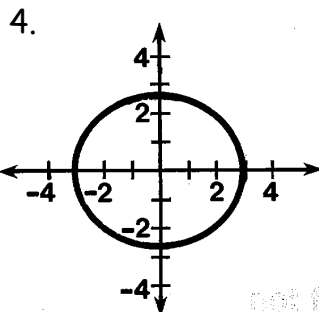
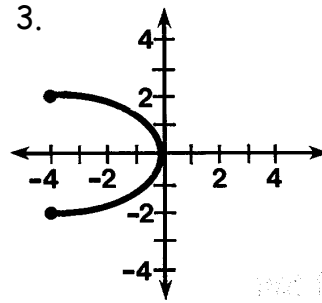
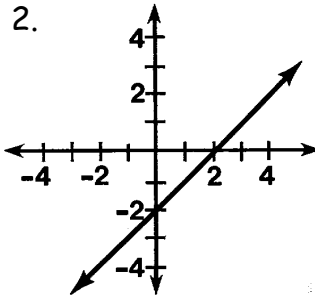
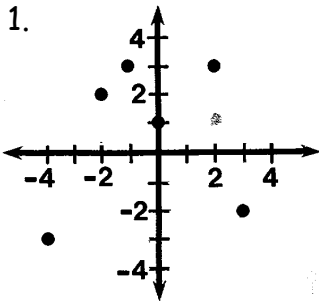


# 1.1.2 Intro to Functions: 2B $\cap$ ~2B

## Reflect and Apply

Determine which of the following graphs are functions. Use the vertical line test to help you decide.



Draw three of your own graphs and state whether or not the graph is a function.

7.

8.

9.

10. Describe *using words* what causes a graph to not be a function.

11. In your own words, describe what a function is.

12. There are other alphabets and other symbols used throughout the world. Look at the ones shown below and state whether or not each one could represent a function. Explain why or why not for each one.

a.  $\pi$

b.  $\Omega$

c.  $\sqrt{\quad}$

13. Determine if the following graph is a function or a relation. Provide mathematical reasoning justifying your answer. If you determine that the graph below is a function, provide an example of your own demonstrating what a relation is and provide a mathematical explanation what makes it a relation. If you determine that the graph below is a relation, provide an example of your own demonstrating what a function is and provide a mathematical explanation what makes it a function.

