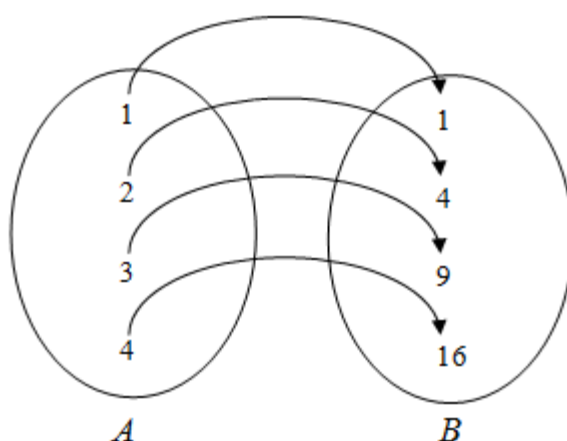


Name: _____

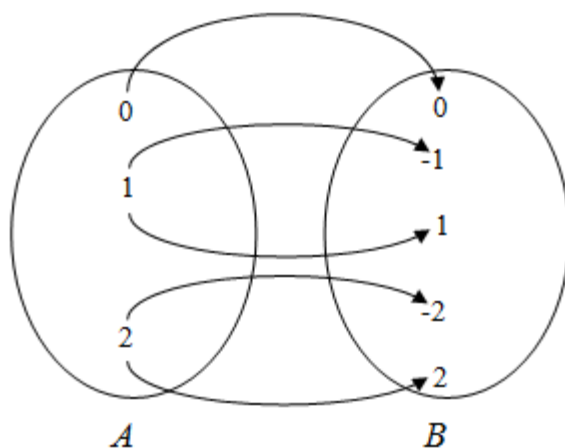
Functions

Exercise 1: The following mapping diagram shows inputs, x - values, from set A being mapped to outputs, y - values, in set B



- 1) What is the output when the input is $x = 3$?
- 2) Explain why this relationship is a function.

Exercise 2: The following mapping diagram again shows the inputs, x , from set A being mapped to outputs, y , in set B .



- 1) What is the output of the relationship when the input is $x = 0$?
- 2) List all outputs of this relationship when the input is $x = 2$.
- 3) Explain why in this relationship the output y is not a function of the input x .