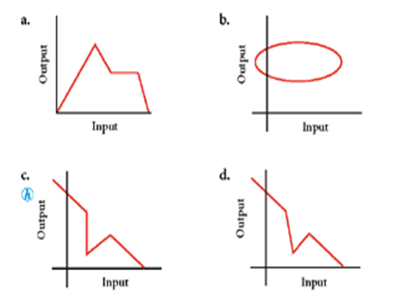
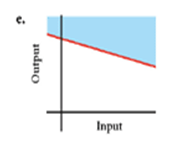
Week 1 Homework Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1). Circle the graphs below that are functions and write a brief statement why the graphs that are not functions, are not functions.





The following graphs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are not functions because, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2). Does each relationship in the form (input, output) represent a function? If the relationship does not represent a function, find an example of one input that has two or more outputs. (this is called a counterexample)

a). (city, ZIP Code) yes/no a function, if no, write a counterexample

b). (person, birth date) yes/no a function, if no, write a counterexample

c). (last name, first name) yes/no a function, if no, write a counterexample

d). (state, capital) yes/no a function, if no, write a counterexample

3). Create your own table relationship of x and y-values that would be a function. You must have at least 6 x and y-values.

4). Create a table of x and y-values that is a relation but not a function and describe why it is not a function. You must have at least 6 x and y-values.

5). Find the domain and Range for the following graphs.

