Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relations and Functions Homework (Day 2)

1. **Continuous or Discrete** - Determine if the graphs of the following functions are continuous or discrete. Graph the function and explain why the graph is continuous or discrete. Then identify the independent and dependent variables.

A) A rain gauge collected 1 inch B) Each slice of pizza costs $1

of rain each hour for 4 hours.



IV: \_\_\_\_\_\_\_\_\_\_\_\_ DV: \_\_\_\_\_\_\_\_\_\_\_\_ IV: \_\_\_\_\_\_\_\_\_\_\_ DV: \_\_\_\_\_\_\_\_\_\_\_

Continuous or Discrete? \_\_\_\_\_\_\_\_\_ Continuous or Discrete? \_\_\_\_\_\_\_\_\_\_

Explain: Explain:

1. **Relations and Functions**
2. Use the relation below to answer the following questions.
3. Identify the domain \_\_\_\_\_\_\_\_\_\_\_\_\_\_

and range \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Does the list of ordered pairs represent

a function? \_\_\_\_\_\_\_\_\_\_ Why or why not?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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