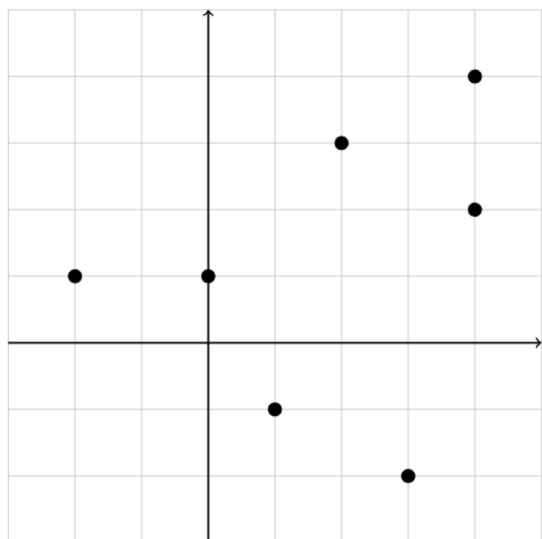**Name:**_____

Instructions: Please read and answer each question carefully showing **all** of your work. You must show your work in order to receive credit. You may use as scientific (non-graphing) calculator as needed.

Problem 1: (5 points)
The table below shows some instructors' pets. Assuming instructor names are inputs and their pets are outputs, does this table represent a function? Be sure to **justify your answer**.

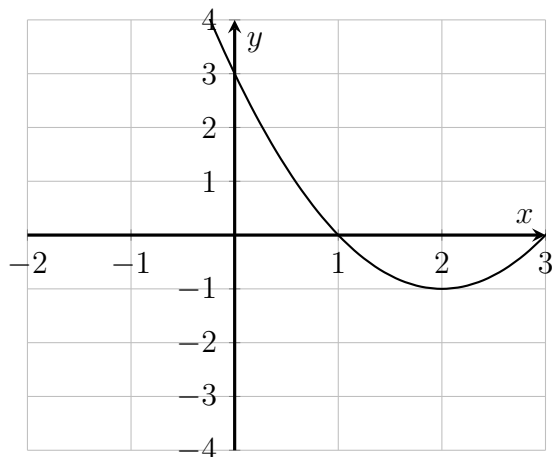| Instructor Name	Taylor	Alex	Sara	Andrew	Sara
Pet	Cat	Cat	Guinea Pig	Parrot	Dog

Problem 2: Consider the graph of a relation below.

(a) (2 points) What is the domain of this relation?

(b) (2 points) What is the range of this relation?

(c) (2 points) Is this relation a function? **Justify your answer.**

Problem 3: Given the following graph, fill in the blanks

(a) (1 points) $f(2) =$

(b) (1 points) $f(1) =$

(c) (2 points) $f(\quad) = 3$