MasterMath

Name _____

Functions: Domain and Range; Continuous or Discrete Date _____

1. **Please convert these equations to function form:**

equation	function
y - 5x = -6	
2x + 4y = 8	
x - y = 3	
16 - 2y = x	
(x ÷ y) = 2	

2. **Jorge's service club is raising money by wrapping presents in the mall. The function y = 3x describes the amount of money, in dollars, the club will earn for wrapping x presents. They only have enough wrapping paper to wrap 1000 presents. Based upon these facts, answer the questions below:**

Question	Answer
What's the domain?	
What's the range?	
Is the function continuous or discrete?	

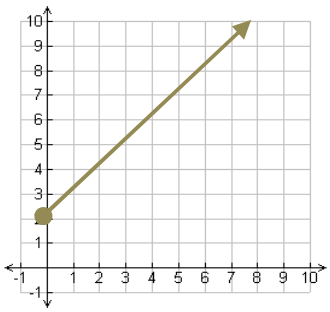
3. **Ginger had a summer job that pays $7.00 an hour and she worked between 15 and 35 hours every week. Her weekly salary can be modeled by the equation: S = 7h, where S is her weekly salary and h is the number of hours she worked in a week. Based upon these facts, answer the questions below:**

Question	Answer
What's the domain?	
What's the range?	
Is the function continuous or discrete?	

4. **A movie theater seats 200 people. For any particular show, the amount of money the theater makes is a function of the number of people, n, in attendance. If a ticket costs $4.00, write an equation in function form that could be used to calculate the amount of money the theater makes, R, for any number of people in attendence, and find the domain and range of this function.**

Question	Answer
function	
domain	
range	

5. **What is the domain and the range of the function shown on this coordinate plane?**



Domain	
Range	