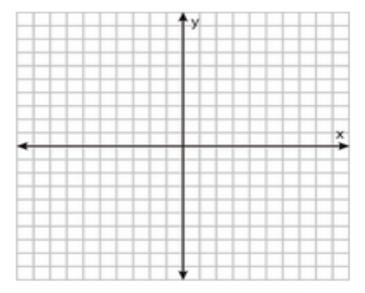
Name:		Date:	
3.2 Linear Functio	ons Part 2		
Essential Question: _			
*A solution of a linear ed	quation in two variable	es is an	_ (x,y) that makes the
equation 1	The graph of a linear e	quation in two variables is the _	of
(x,y) in a coordinate plar	ne that represents	solutions of the	Sometimes the
points are	_, and other times the	points are	
*A dom	ain is a set of input val	lues that consists of only certain	numbers in an
·			
Example:			
*A	_ domain is a set of	values that consists of	numbers in an
interval.			
Example:			

## EXAMPLE 4 Graphing Discrete Data

The linear function y = 15.95x represents the cost y (in dollars) of x tickets for a museum. Each customer can buy a maximum of four tickets.

- a. Find the domain of the function. Is the domain discrete or continuous? Explain.
- b. Graph the function using its domain.



## **EXAMPLE 5** Graphing Continuous Data

A cereal bar contains 130 calories. The number c of calories consumed is a function of the number b of bars eaten.

- a. Does this situation represent a linear function? Explain.
- b. Find the domain of the function. Is the domain discrete or continuous? Explain.
- c. Graph the function using its domain.

