١	
	Lecture 08/28/23
	Inputs and alputs of Functions
	Today is largely a reniew; that is okay! It's glucy
	Today is largely a review; that is okay! It's always nice to see things a few times ". We will soon on
	hew Finchans mode real world scenarios!
	Rocall: A function is a velation thought work in which
	Recall: A function is a relation that the in which every x- (ord is related to my exactly one y-cord. Another
6	outputs I have bloom
_	y-cord, behorido
-	1 1)
_	are a rule thutown assigns ear each input # to
	are a rule thut who addigns each input of to
	exactly one one output
	Function Notation: We usually unite a function
	OA.
	f(x) = 4
	f(x) = y
	named input curput
	function var. var.
	What is different the difference between
	VVIOR B CHINICIAN IN CONTROL INC.
	Evaluate f(3) "What y value relates to 3"
	Solve f(x)=3 "What x value relates to 3"
	DOLYO JUNIO JUNIO 1000 1000 1000 1000 1000 1000 1000 10

Ex: let f(t) be the total number of reported flucuses at UNL by the t-th day of the semester.

a) What does f(103) mean?

It is the number of tuses reported flu cases at ONL by the 103rd day of the semester

Hways write inm a complete sentence!

b) Whent ducs f(50) mean?

It is the number of reported flu cases at UNL by the 50th day of the semester.

c) What dues f(15) \$3 = 73 mean?

There were 73 reported the Flu cases at UNL by the 15th day of the semester.

Ex: let $g(x)=x(x^2-2)$. Final equations the equation for g(x+4). Identify the input and the output.

9(x+4) = (x+4)((x+4)24-2)

Xt4 11 the input (x+4) (x+4)2-2) 11 the