Funct	ion Machine Worksheet	Name:	Pe	r
I Eur	ction Machine Model & Gu	ided Instruction		
		Model & Guided Instruction. Int, when you know the input and function of the machine.		
				x
В.	If you input into the f	unction machine, then	what is the output?	
C.	What is the function that t	his machine does?		Ţ
How t	o find the function when	you know the inputs	and outputs.	_
			-	_x
E.	If the input is, the	output is		
F.	If the input is, the	output is		1 (
G.	What is the function of the	e machine?		~ ~
				Ų
				*
	ife application.			
Н.				
	favorite store have increas	se by 10%. What wou	lld be the function of a	10% increase?
п.Б.				
	Compaths following websi	to to cooper the functi	an maahina	
A.				
	nttp://ntvm.usu.edu/en/N/	V/Irames_asid_191_	<u>g_3_t_1.ntm1</u>	
В.	Drag as many of the blue	numbers as you need	to figure out the pattern	n of each machine.
C	Complete the table on con	nouter Note: If you t	ma in a number and hi	t antar than it will turn blue if
С.				t enter, then it will turn blue if
	correct. If it isn't correct,	then the site will tell	you to try again.	
D.	Complete 4 of the tables v	vith the correct pattern	1.	
	i.	ii.	iii.	iv.
	In Out	In Out	In Out	In Out
	5	5	5	5
	6	6	6	6
	7	7	7	7
_		i i i i i i i i i i i i i i i i i i i		
E.	Write an algebraic rule for		-	
	i. Out =	ii. Out =	iii. Out =	iv. Out =

F. The algebraic rules that you created in Part E is one of the traditional ways to describe functions. Can you come up with other ways to do it? Share your ideas with your group members and write them down. Which ways of describing a function do you like and why?