Math 4SN

Word	Problems on Linear Equations	Name:
(<u>keyı</u>	words: each or per)	
	Define variables x and y. Determine the initial value and rate of Write an equation in the form $y = ax$	_
-	hannon has already taken 2 pictures at res during every day of vacation.	home, and she expects to take 2
Let	x = # of days of vacation	Initial value (b):
	y = Total number of pictures	Rate of Change (a):
	tion:	a additional dil fou acab avest be
invite	eenan's birthday party costs \$4, plus anes.	n additional \$1 for each guest ne
Let	x =	Initial value (b):
	y =	Rate of Change (a):
Equa	tion:	
-	Before beginning voice lessons, Leslie al expects to learn 2 new pieces during ea	•
Let	x =	Initial value (b):
	y =	Rate of Change (a):
Equa	tion:	

d) D	uring each week of piano lessons, Pancho le	arns to play 2 new pieces.
Let	x = y =	Initial value (b): Rate of Change (a):
Equa	tion:	
e)	A 50 000 gallon swimming pool is emptied at a rate o	f 220 gallons per hour.
Let	x = y =	Initial value (b): Rate of Change (a):
Equa	tion:	
f)	The cost for an amusement park is \$50 for entry. This	s includes an unlimited number of rides
Let	x = _Number of Rides y = _ Total Cost (\$)	Initial value (b): Rate of Change (a):
Equa	tion:	J (,