Directions: Identify n and f(n), then create a graph, recursive equation, and explicit equation for each scenario.

1) My Little sister is three years old. She has a piggy bank that she wants to fill. She started with 5 pennies and each day when I come home from school, she is excited when I give her the 3 pennies that I have left over from my lunch money.

Table:

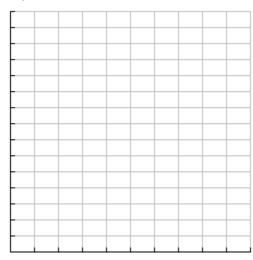
f(*n*):_____

n:			
<i>f</i> (<i>n</i>):			

Recursive: _____

Explicit:

Graph:



2) My family has a small pool that holds 15000 gallons of water. I decided to fill the pool with water for the summer. When I had 5 gallons of water in the pool, I decided that I didn't want to stand and watch. I determined that the pool fills at a rate of 2 gallons per minute.

Table:

n:_____

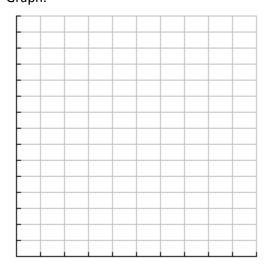
f(*n*):_____

n:			
<i>f</i> (<i>n</i>):			

Recursive: _____

Explicit:

Graph:



able:					Graph						
:											
(n):											
n:											
f(n):											
I			<u> </u>	<u> </u>	' _						
ecursive:											
					Insticad	that it d	rains fa	stor w	hon t	horo i	s moro v
t the end of the ne pool. I found	summer,	I drain m	ny 1500 ga	allon pool.			rains fa	ster w	hen t	here i	s more w
xplicit: It the end of the he pool. I found able:	summer,	I drain m	ny 1500 ga	allon pool.	I noticed Graph:		rains fa	ster w	hen t	here i	s more w
it the end of the ne pool. I found	summer, that the p	I drain m pool drai	ny 1500 g: n 3% evei	allon pool.			rains fa	ster w	hen t	here i	s more w
t the end of the ne pool. I found able: :	summer, that the p	I drain m oool drai	ny 1500 g n 3% evei 	allon pool.			rains fa	ster w	hen t	here i	s more w
t the end of the ne pool. I found able: :	summer, that the p	I drain m oool drai	ny 1500 g n 3% evei 	allon pool.			rains fa	ster w	hen t	here i	s more w
t the end of the ne pool. I found able: :	summer, that the p	I drain m oool drai	ny 1500 g n 3% evei 	allon pool.			rains fa	ster w	hen t	here i	s more w
t the end of the ne pool. I found able: :	summer, that the p	I drain m oool drai	ny 1500 g n 3% evei 	allon pool.			rains fa	ster w	hen t	here i	s more w
t the end of the ne pool. I found able: :	summer, that the p	I drain m oool drai	ny 1500 g n 3% evei 	allon pool.			rains fa	ster w	hen t	here i	s more w

4)