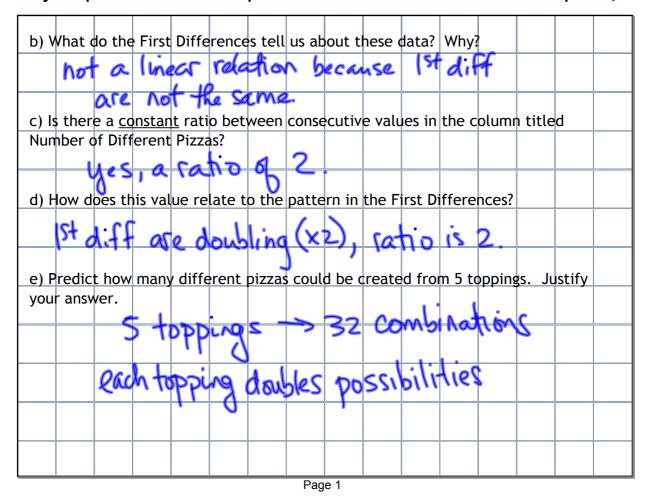
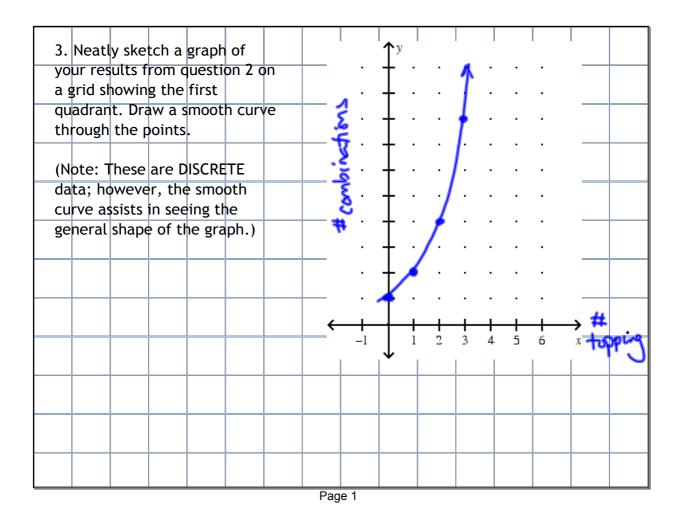
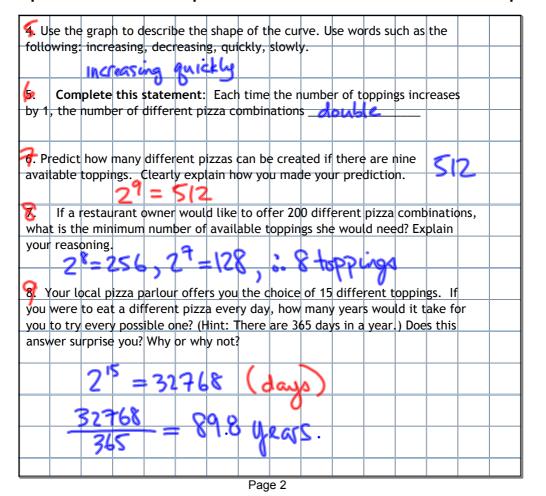
E	cplo	orir	ng E	хр	one	ent <sup>.</sup>	ial	Gro	wt	h					
	tivit			•											
			you v	vill inv	/estig	ate th	ne nun	nber o	of diff	erent	pizza	s that	can b	oe	
crea	ted fo	or a g	iven n	umbe	r of a	vailat	le to <sub>l</sub>	ppings							
INST	RUC	TIONS													
1.			chart osing		_		_								
Ciea	iteu b	y CHO	USILIE	aii, si	ille o	1 110116	טו נו	ie ava	ιιαρισ	τορρ	illigs i	liuica	teu.		
Top	pings	Avai	lable		<u> </u>	•	Dif	ferent	t Pizza	Com	binati	ons			
None				N											1
Cheese				2	, C										2
Cheese, Pepperoni			N, C,P, CP										4		
Cheese, Pepperoni, Mushrooms			N,	C, '	P, C	P,	M	, (	M, 1	PM.	, CP	m		8	
	ese, Po shroon														16

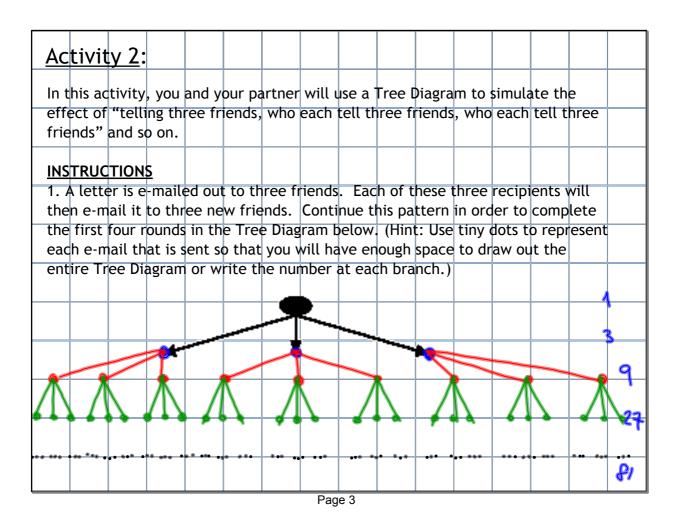
Page 1

2. a) U	lse your	infor	natio	n fron	n ques	tion	1 to c	ompl	ete th	e tabl	e belo	w	
	Number of Available Toppings			Number of Different Pizzas									
							First			tio			
	0			1			Differences $(y_2 - y_1)$		$\left(\frac{y_2}{y_1}\right)$				
		1			2 -	2-1=1			2				
	:			2	•	4-	.) =	2	4=7				
		3		4		6-	4-2=2		8 - 2				
				16		8	P= 7 = 9			٠٧			
						-16-	16-6 = 8		2=2				
	<b>T</b>												
						Pag							





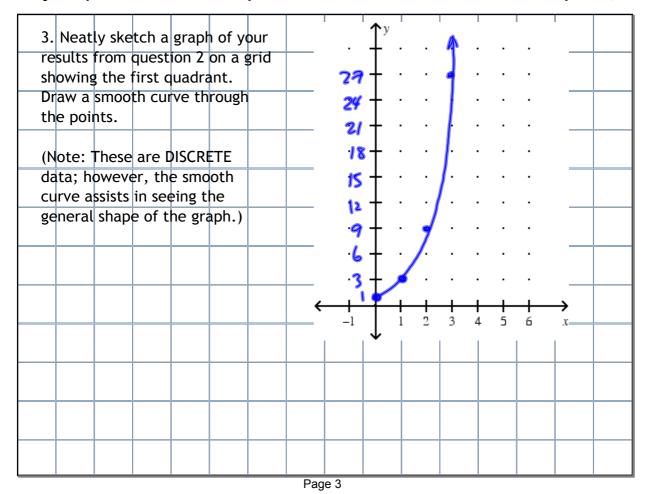


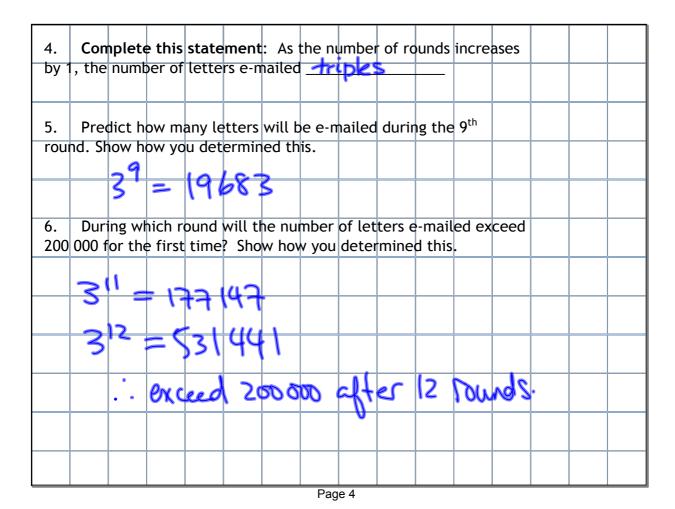


2. a) Use	your inform	Number of	estion 1 to dom	plete the t	able below
		Letters e-mailed	First	Ratio	
	1	3	Differences	9	
	2	9	9-3=6	3=3	
	3		9-3=6 27-9=18	$\frac{27}{9} = 3$	
	4	27	81-27 =54	3	
	4	81	81-27 =54	3	
	5	243	275 -01-16		

Page 3

b) Consider the Tree Diagram and the data in the first four rows of the table. Predict the Number of Letters e-mailed in Round 5. Justify your prediction.
c) Comment on the patterns you see in the Number of Letters e-mailed
column and the First Differences column.
Acial: a colonial distribution of the colonia
tripling each round
d) Is there a constant ratio between consecutive values in the Number of
Letters e-mailed column?
ratio is 3
e) Comment on the value of this constant ratio.





	∕idua	ls mu	schen st fin any".	d oth			r							
			amid											
		-	ed to rill be										luch	
(Hin	t: Dr	aw a	tree o	liagra	m.)									
NOT	E: Py	/rami	d sch	emes	are i	llegal	beca	use t	hey u	sually	invo	lve fr	aud.	

Page 4

Homework: Activity #4,5*	
Apr 3-2:59 PM	