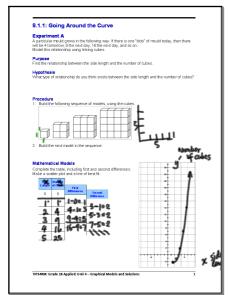
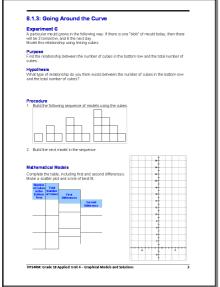


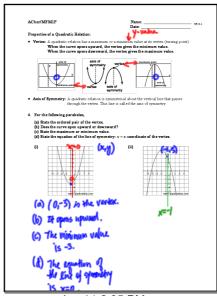
Jan 14-2:04 PM



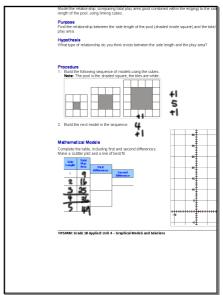
Jan 14-2:36 PM



Jan 14-2:36 PM



Jan 14-2:05 PM



Jan 14-2:36 PM

Experiment D uisa is designing an apartment building in a pyra She wants to know how many apartments can be	mid design. Each apartment is a square. built in this design as the number of
apartments on the ground floor increases. Model this relationship, using linking cubes.	
<b>Purpose</b> Find the relationship between the number of cube subes.	s in the bottom row and the total number of
typathesis What type of relationship do you think exists betwood the total number of cubes?	een the number of cubes in the bottom row
Procedure Build the following sequence of models using	the ruber
Dulla are following sequence of modess during	The Court of
P. Build the next model in the sequence.	
Mathematical Models	24
Complete the table, including first and second diff Make a scatter plot and a line of best fit.	erences.
Barrier of Cuties in the Bottom Row  First Uniform First Uniform Unifo	-
o Second	*
Difference	9
	*
	1 1 1

Jan 14-2:36 PM

Experiment E iz has a beautful pond in her yard and wants to build a to	
insure how big she will make it and how many rocks she w oncemed to have the nicest rocks showing. fodel the relationship comparing the length of the base to I nking cubes.	ill need. She is particularly
Purpose Find the relationship between the number of cubes on the s if unhidden cubes.	side of the base and the total number
typothesis  What type of relationship do you think exists between the le  umber of visible cubes?	ingth of the side of the base and the
Build the following sequence of models using the cubes	# H
Mathematical Models	22
Complete the table, including first and second differences.  Cake a scatter plot and a line of best fit.	*
Laugh at Indian   Ind	
Length of Humber Side of of Base Unhidden Cubes Differences Second	9

Jan 14-2:36 PM