

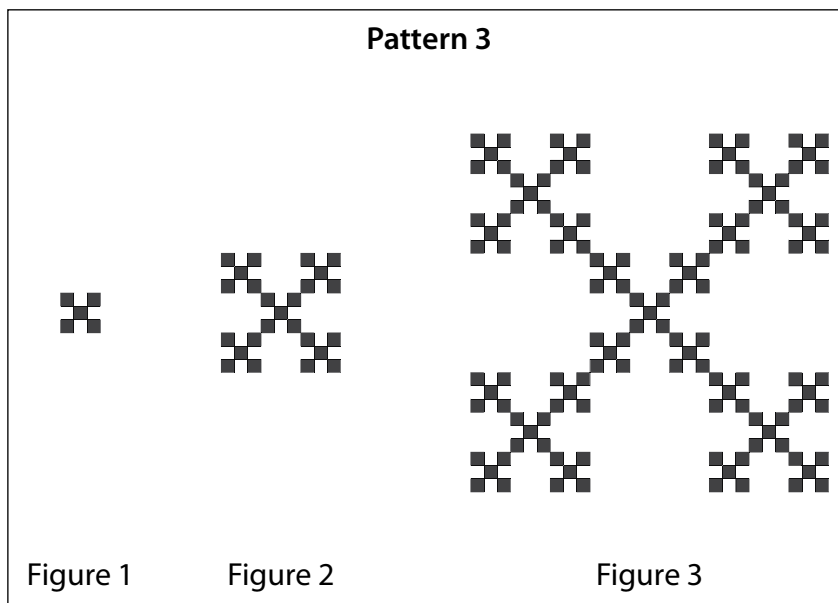
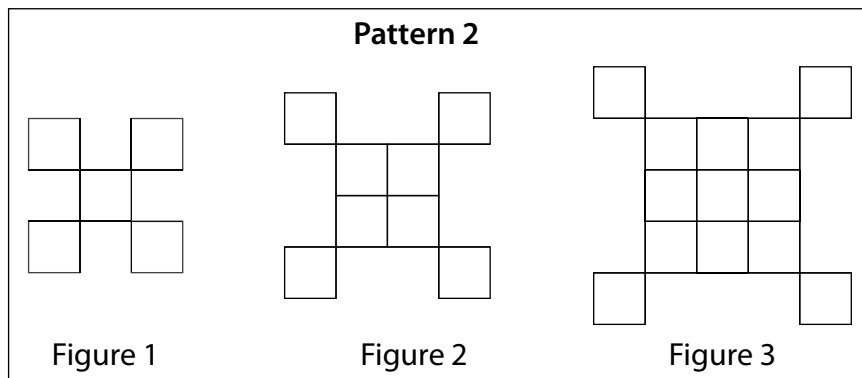
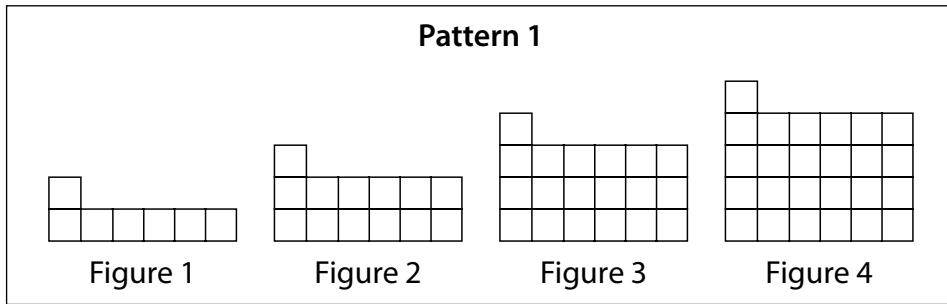
Name: _____

Date: _____

Conceptual Task: Pondering Patterns

Sara has a math project due for her class. For the project, she must analyze the patterns below. Help her complete her project by answering the questions that follow.

SMP	
1	2
3	4 ✓
5	6
7 ✓	8



Name: _____

Date: _____

- d. Label the type of function each pattern represents. What clues in the tables and graph let you know what type of function each pattern is?
- e. What is the starting value for each pattern? Is the starting value the first figure you see or the previous figure? Explain how you arrived at your answer.
- f. What is the equation that represents the number of squares in each pattern? How do you know?
- g. What are some things you know about each type of function? How are the functions the same? How are they different? Use key words in your summary, such as minimum/maximum, intercepts, common difference/ratio, and increasing/decreasing.