Tiling Garden Beds

Name _____

Date _____ Period _____

Part II - Analysis

Recall the original questions about rate of increase.
Do you still have the same answers now?

As the length of the garden bed grows from figure to figure…

1) *Which design pattern(s) displays the greatest rate of increase for the border tiles?* _____

2) *Which design pattern(s) displays the least rate of increase for the border tiles?* _____

3) What does the **starting point (** $g = 0$ **)** of each graph tell you?

4) What does the **steepness** of each line tell you?

5) A gardener wants to know the how many border tiles to buy if he were to build gardens of lengths 4, 5, or 6. Which data format is best for him?

❑ data table ❑ graph ❑ equation

Explain why you chose this answer:

6) An accountant needs to know how many tiles would have to be purchased for gardens of up to a length of 100 or more. Which data format is best for her?

❑ data table ❑ graph ❑ equation

Explain why you chose this answer:

7) A real estate professional needs to quickly estimate the number of border tiles for various size gardens. Which data format is best for him?

❑ data table ❑ graph ❑ equation

Explain why you chose this answer: