

**Area patterns**

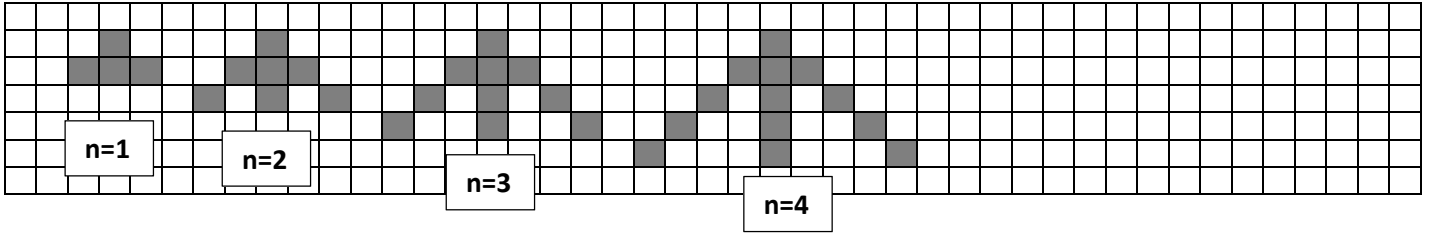
name: \_\_\_\_\_

class time: \_\_\_\_\_

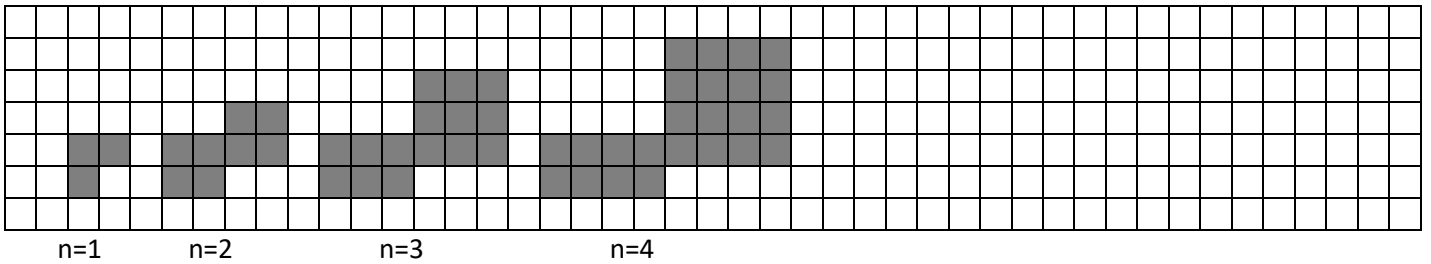
For each of these patterns:

- Show you understand the pattern by drawing the next one in the sequence
- Show you understand the pattern by writing an explanation of how you would draw the 10<sup>th</sup> one in the sequence
- Write a formula for the area (number of complete squares) in the n-th pattern in the sequence
- Use your explanation from (b) to explain why your formula (c) works and makes sense.

1.



2.



3.

