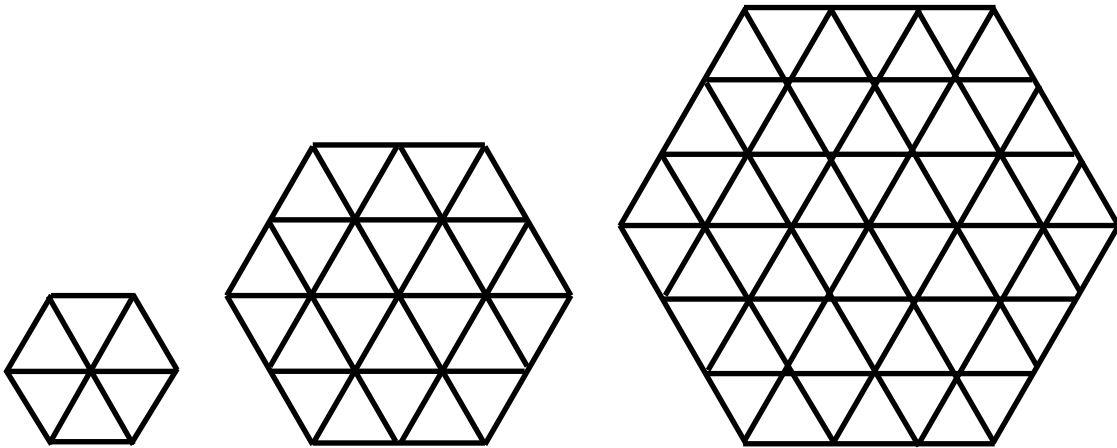


DISCUSSION FOR 1ST AND 2ND TUTORIAL

DATE: MONDAY SEPT 17 (TUTORIAL 1), MONDAY SEPT 24 (TUTORIAL 2), DUE: MONDAY, OCT 15
(TUTORIAL 1), MONDAY, OCT 22 (TUTORIAL 2)

The figures below are line drawings made up of intersecting segments which are enclosing regions. The first figure has 6 regions and 12 segments, the second figure has 24 regions and 42 segments, the third figure has 54 regions and 90 segments. Say this sequence of figures continues so that there are n segments on a side. How many segments and regions are there?



Can you generalize your results to other sequences of shapes?