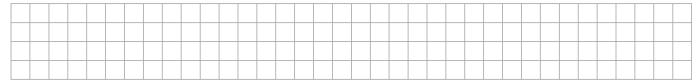


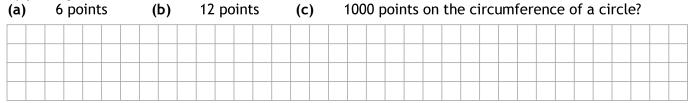
Fill in the following table:

| Number of Points | Maximum Number of Regions |
|------------------|---------------------------|
| 2                |                           |
| 3                |                           |
| 4                |                           |
| 5                |                           |

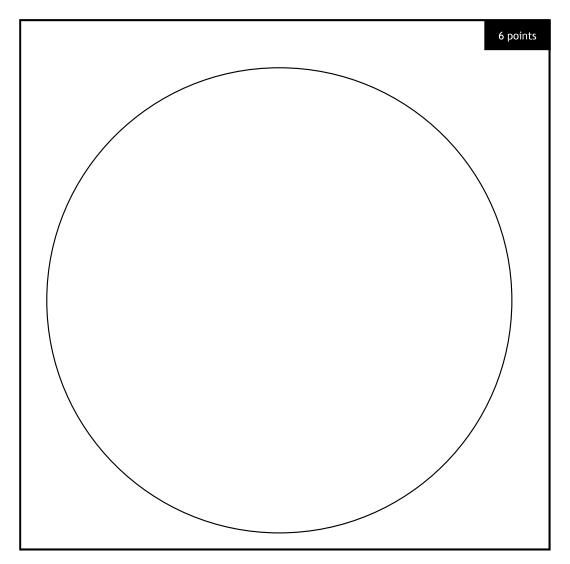
Can you see any relationship between the number of points and the maximum number of regions produced?



Based on what you have done so far, make a conjecture (guess) on how many regions will be enclosed by joining:



Test your conjecture for 6 points using the diagram below:



What can you conclude from this activity?

