

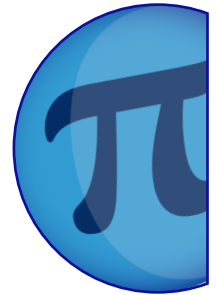


Spirals in Nature

NAME:

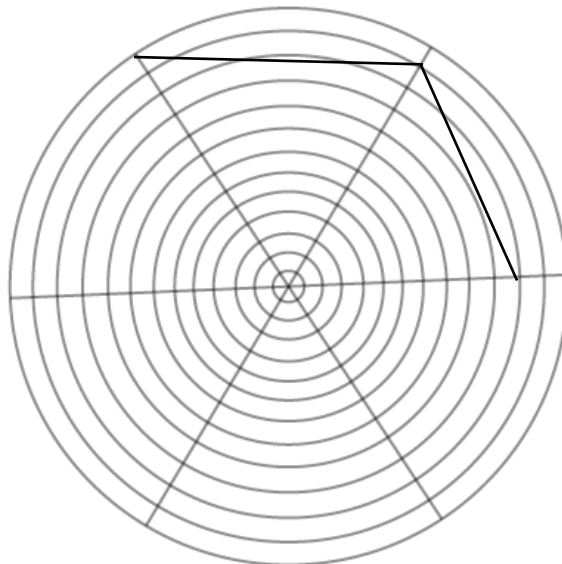
CLASS:

DATE:

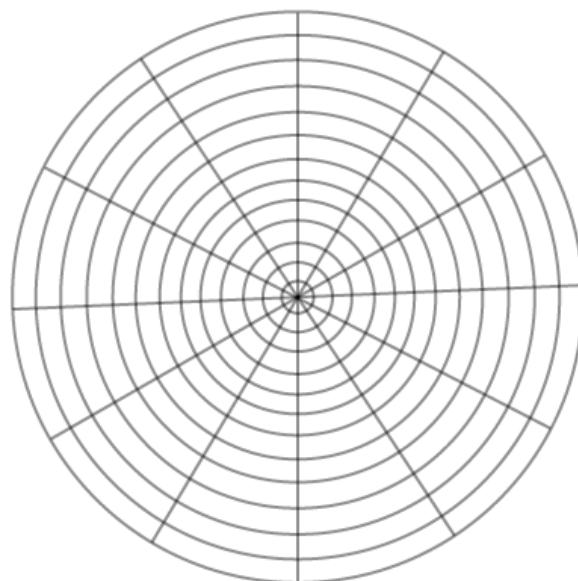


Basic/Core/Advanced

1) Use the template below to finish drawing an Archimedean spiral:



2) In a similar way use the template below to draw an Archimedean spiral:

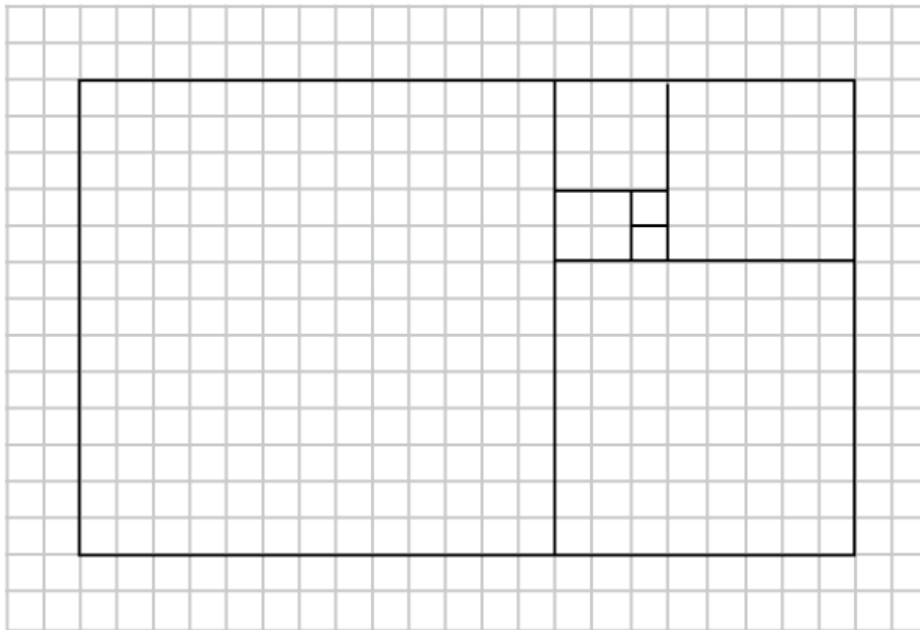




Spirals in Nature

Basic/Core/Advanced

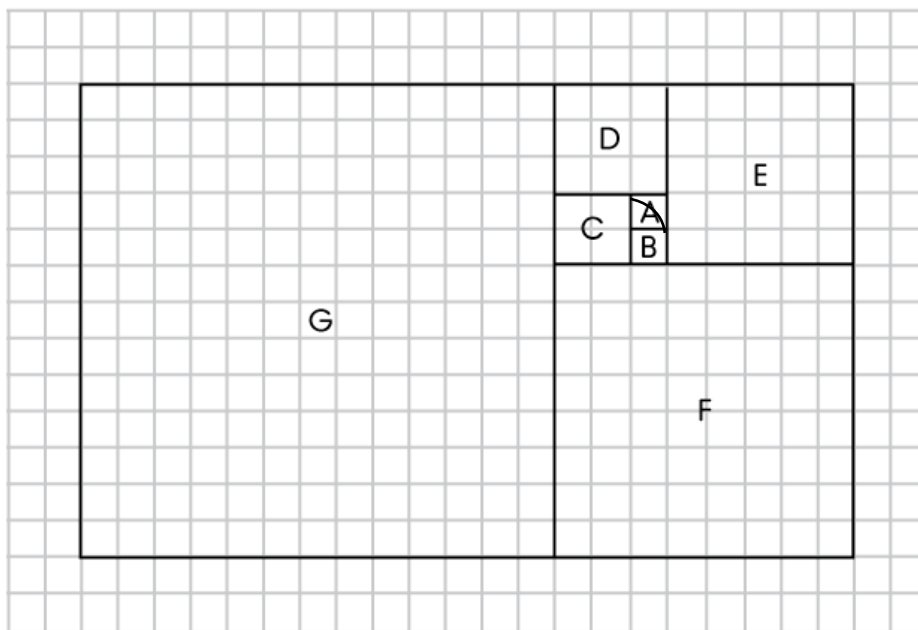
3) On squared paper draw the following:





Spirals in Nature

Basic/Core/Advanced



Note the lengths of squares A, B, C, D, E, F and G.
What is this sequence of numbers called?

Continue the spiral started on the template to form a Golden Spiral.

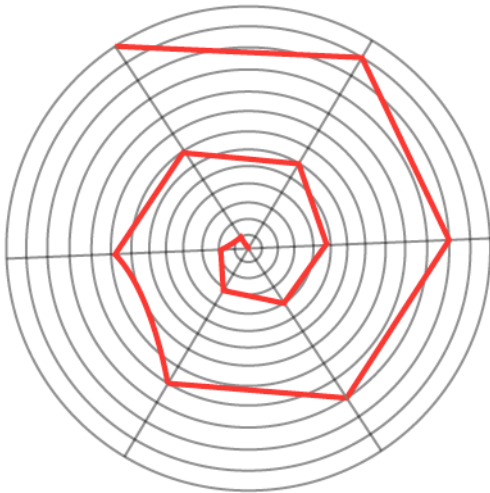


Spirals in Nature

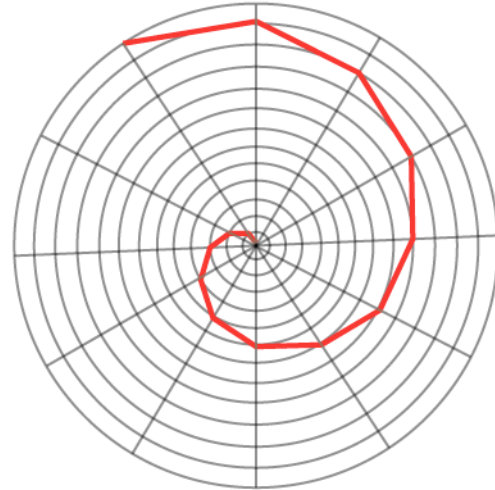
ANSWERS

Basic/Core/Advanced

1) Archimedean spiral:



2) Archimedean spiral:



3) $A = 1$, $B = 1$, $C = 2$, $D = 3$, $E = 5$, $F = 8$ and $G = 13$; the Fibonacci Sequence.

The Golden Spiral:

