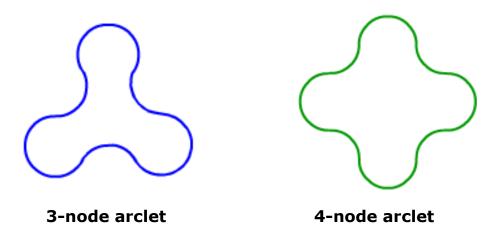


Each of the following arclets is made from arcs of a circle of radius \mathbf{r} .



What is the perimeter of an arclet with 3, 4, 5, and n "nodes"?

What happens when \mathbf{n} is very large?

Explain the relationship between your answers and the perimeter of the original circle.