

**Math Grades 9 – 12
Series**

MA.912.D.11.4

A Short Account of the History of Mathematics

"James Gregory"

W. W. Rouse Ball

Reading Level: 12

Activity:

The author states the following regarding James Gregory, *"In 1667 he issued his Vera Circuli et Hyperbolae Quadratura, in which he showed how the areas of the circle and hyperbola could be obtained in the form of infinite convergent series, and here (I believe for the first time) we find a distinction drawn between convergent and divergent series."*

Explain the difference between convergent and divergent series. Give an example of each.