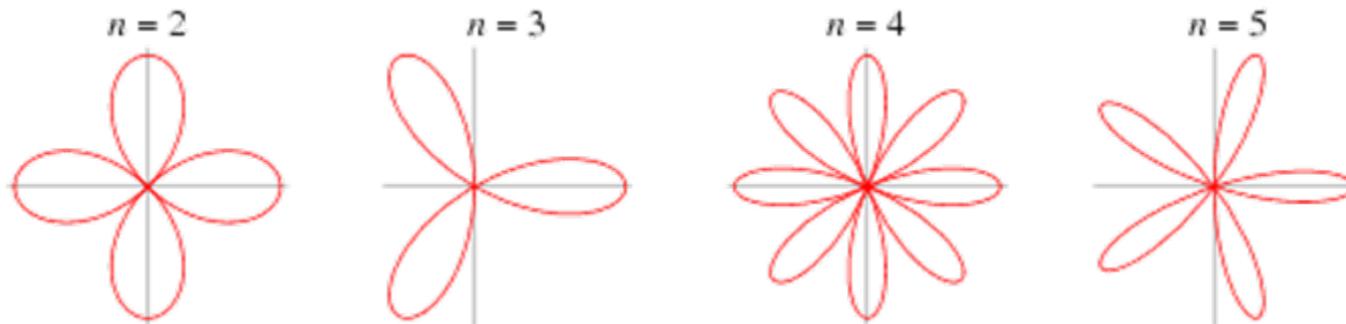


Today in Math History...

-1 October 1671

Guido Grandi born. He is noted for the roses that he introduced using polar coordinates, which are still part of calculus courses.



*A curve which has the shape of a pedaled flower. This curve was named **rhodonea** by the Italian mathematician Grandi between 1723 and 1728 because it resembles a rose. The **polar equation** of the rose is*

$$r = a \sin(n\theta) \quad \text{or} \quad r = a \cos(n\theta).$$