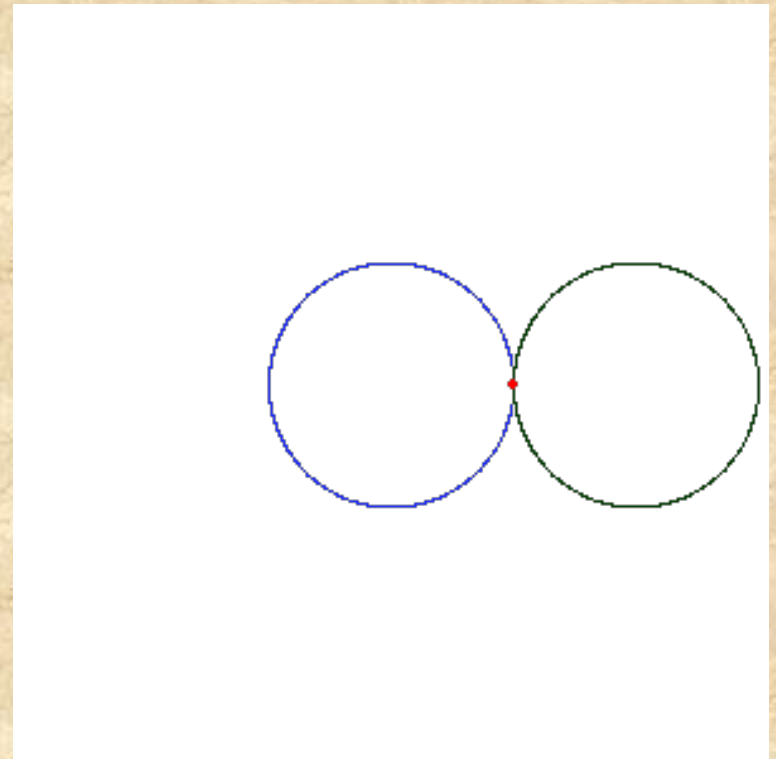
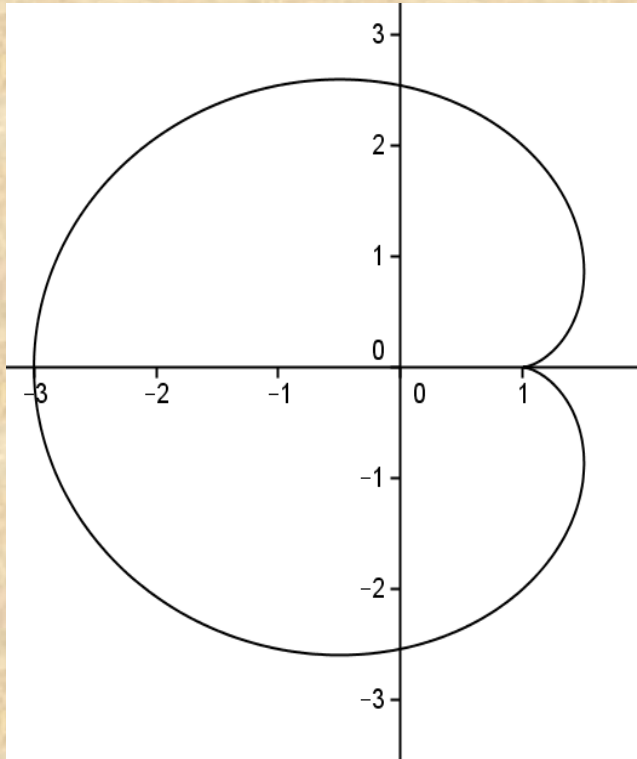


# Some Named Curves

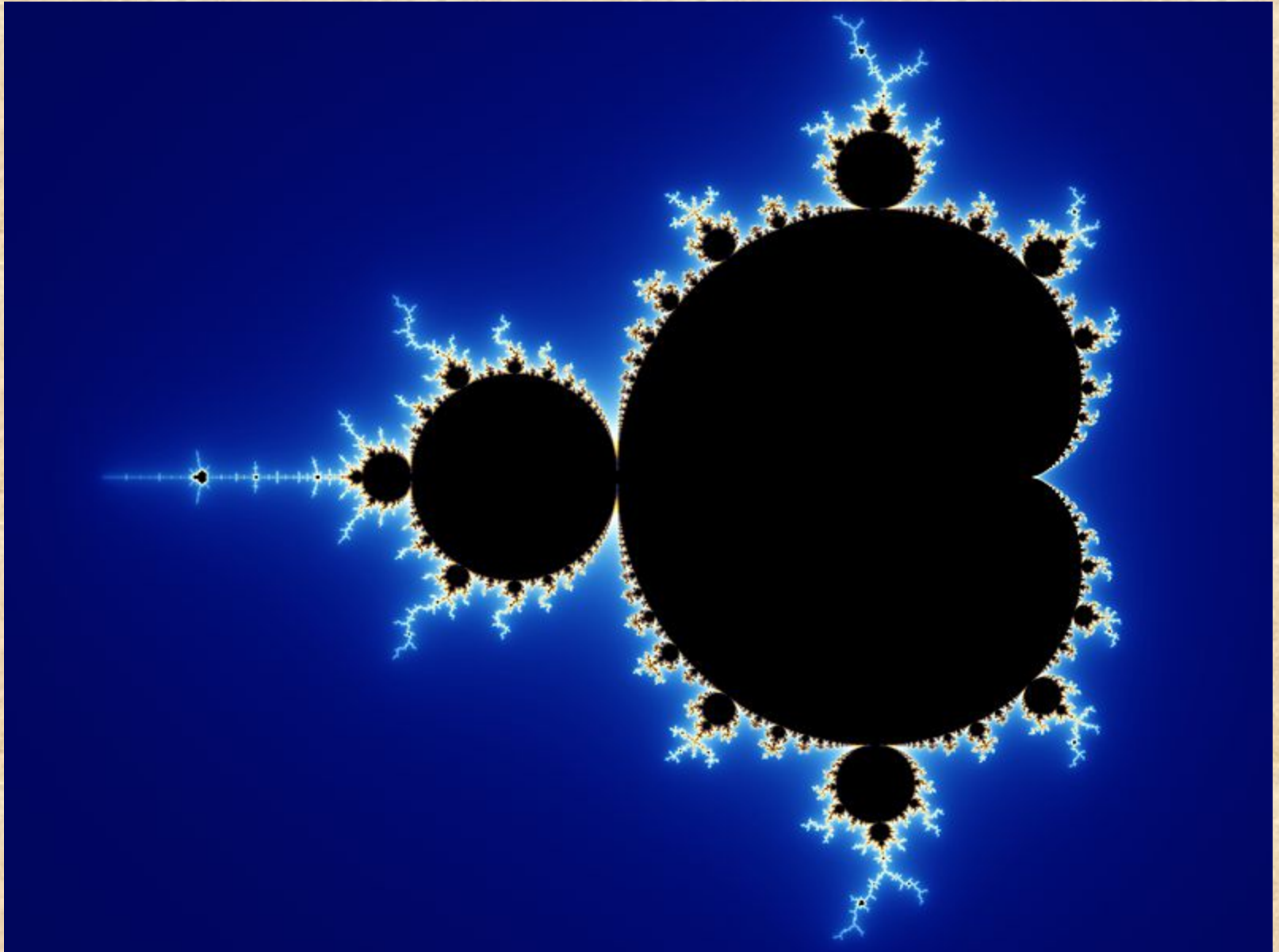
To illustrate the power of Geogebra 4.2 in graphing implicit curves

By Yuen Ng

$$(x^2 + y^2 - a^2)^2 - 4a^2((x - a)^2 + y^2) = 0.$$

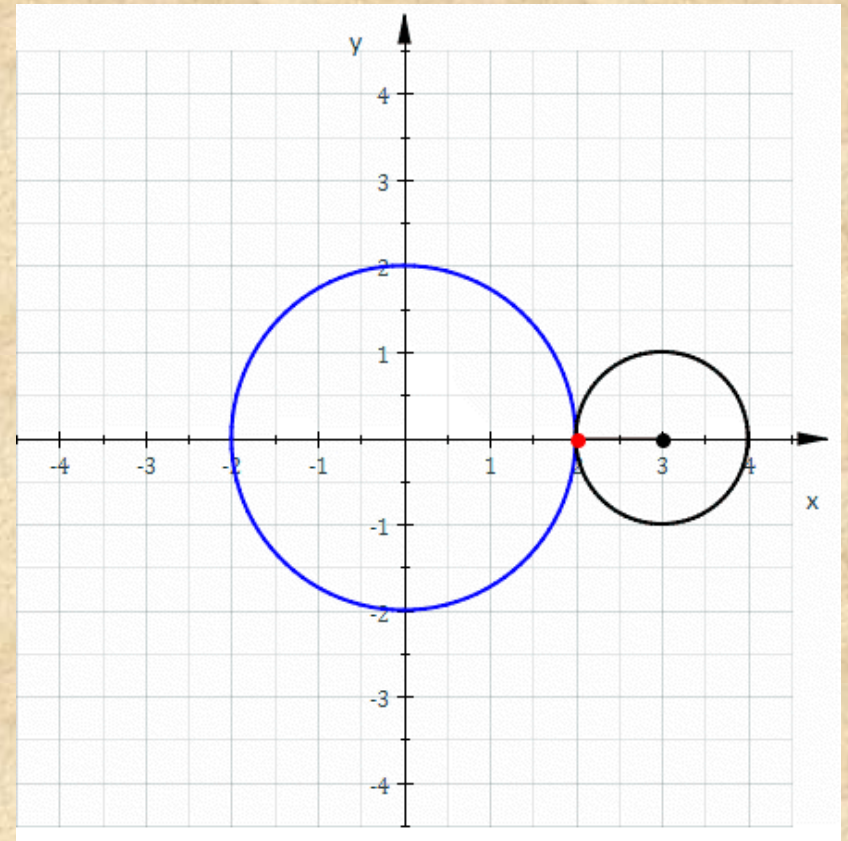
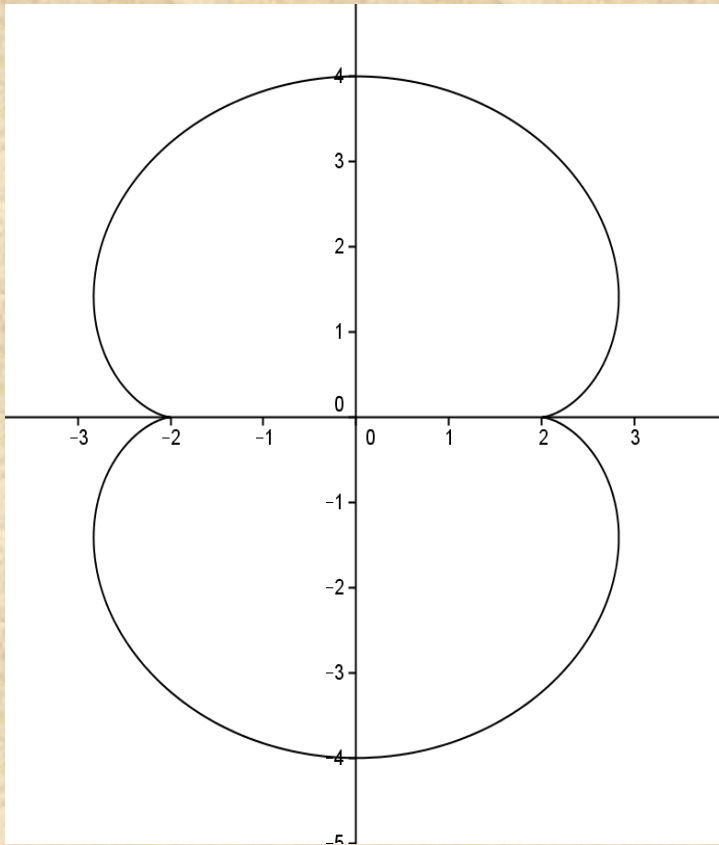


Cardioid

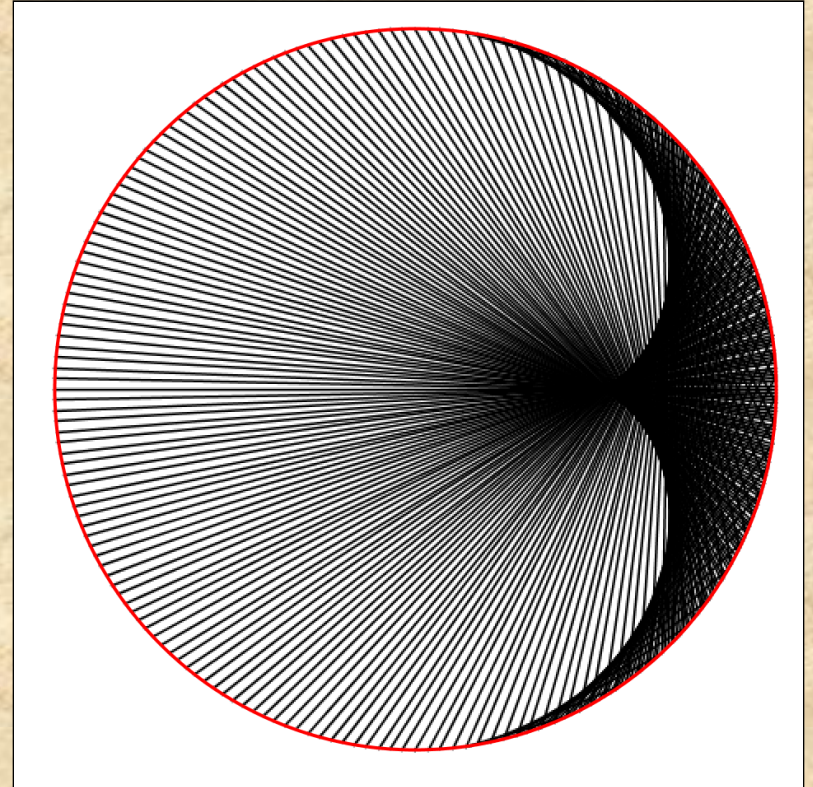




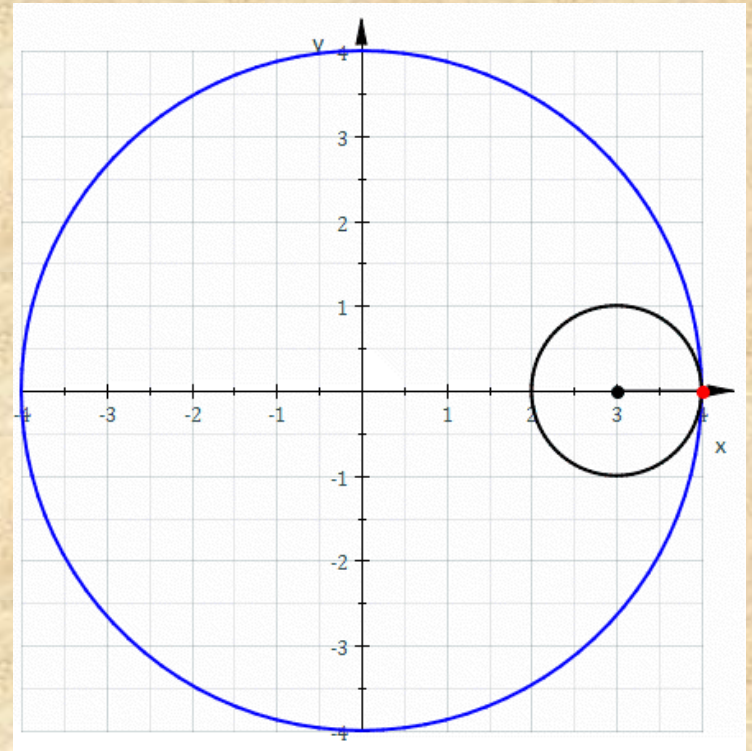
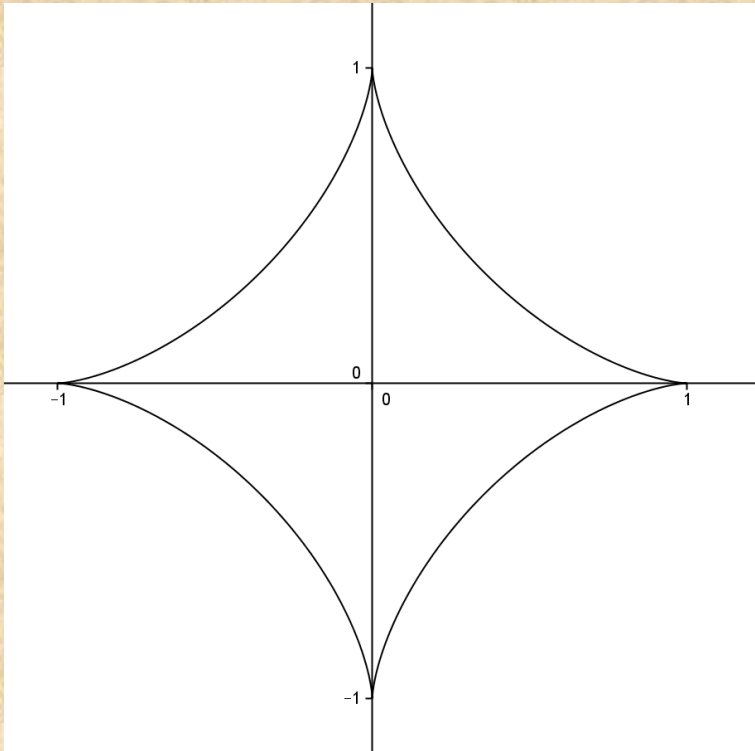
$$(x^2 + y^2 - 4a^2)^3 = 108a^4 y^2$$



Nephroid

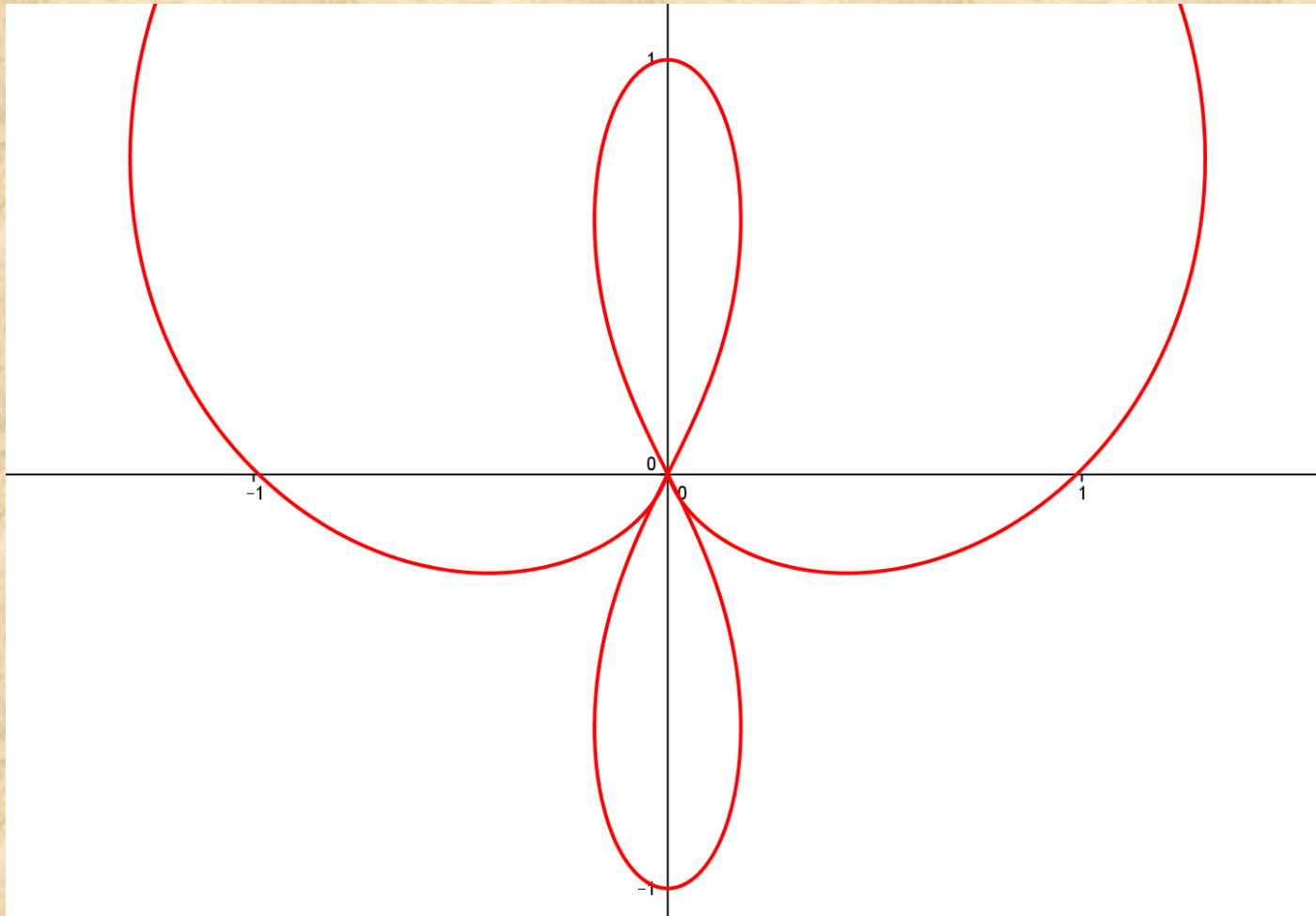


$$(x^2 + y^2 - 1)^3 + 27x^2y^2 = 0.$$



Asteroid

$$[(x^2 + y^2 - y)^2 - x^2 - y^2][(4x^2 + y^2)^2 + x^2 - y^2] = 0$$



Haemorrhoid

That's all  
folks

