

Presentations02

Use the figurate square numbers to prove that the sum of the first n odd numbers is n^2 .	
Use the method of Hippocrates to calculate the area of a lune.	
Use the Quadratrix of Hippias to trisect an angle.	
Use the Quadratrix of Hippias to square the circle.	
Prove that the fifth postulate of Euclid holds if and only if the sum of the angles of triangle is 180° .	
Pons Asinorum: what is it and work through the details.	
Prove the Exterior Angle Theorem.	
Show how Eratosthenes calculated the size of the earth.	
Use the spiral of Archimedes to trisect an angle.	