

- Apollonius' *Conics*
- Nicole Oresme's *The Latitude of Forms* where he begins to think about how rates of change have to do with distance travelled.
- Srinivasa Ramanujan's Squaring the Circle or other works. (One must choose carefully. UAF has a book called: The Collected Papers of Srinivasa Ramanujan.)
- Francois Viete, *The New Algebra*
- Simon Stevin and Decimal Fractions
- John Napier and Logarithms
- Leonhard Euler and the Problem of the Seven Bridges of Konigsberg or Theorems on Residues Obtained by the Division of Powers
- Archimedes Sphere and Cylinder Propositions 33 and 34
- Ptolemy and the beginning of the sine function (On the lengths of chords in a circle)
- John Wallis on Imaginary Numbers (and thinking about negative numbers, square roots of negative numbers, and beginning graphing)
- Pascal on the Arithmetic Triangle
- perfect and amicable numbers
- the slide rule