1116-G1-92   **Cynthia J. Huffman*** (`cjhuffman@pittstate.edu`), Math Dept, Pittsburg State University, 1701 S. Broadway, Pittsburg, KS 66762. *The Great Art: Cardano's "Ars Magna" in College Algebra and Precalculus.* Preliminary report.

When Cardano's *Ars Magna* was published in 1545, it contained what were at that time the state of the art rules for solving polynomial equations of degrees 2, 3, and 4 (quadratic, cubic, and quartic equations). At first glance, these rules seem to look different from methods used today. For example, current students are taught a single quadratic formula for solving any quadratic equation, while Cardano considered three cases of quadratic equations with a separate rule for solving each case. We will discuss some activities that can be incorporated in college algebra and precalculus courses based on material found in the *Ars Magna* which may motivate students for a deeper understanding and greater appreciation of solving polynomial equations. (Received July 21, 2015)