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Charlie Smith* (charlie.smith@park.edu), Park University, 8700 NW River Park Drive, Mathematics Department #30, Parkville, MO 64152. *Duplication, Trisection, and Quadrature by Cheating.*

Over the centuries, there have been several successful attempts to Double the Cube, Trisect an Angle, and Square the Circle without the exclusive use of Euclidean tools. This presentation will examine the history as well as the mathematical details of selected constructions. Time permitting, one example of each classic construction will be analyzed. (Received September 15, 2008)