1116-G1-77   **Amy Shell-Gellasch*** (`amy.shell-gellasch@montgomerycollege.edu`). *Physical models of the binomial expansion and completing the square.*

Expanding the quadratic and completing the square are core concepts in algebra and used throughout algebra and subsequent courses. A physical representation of both the quadratic and cubic binomial helps students visualize the expansion as well as understand the separate terms. The same models can help visualize completing the square. In fact, by examining the ancient Babylonian process for completing the square, the steps involved, and the name itself, become perfectly clear. (Received July 14, 2015)