1125-A5-2231   **Emma Smith Zbarsky*** (`smithzbarskye@wit.edu`). *The Three Horsemen of Homework.*
I will discuss three different approaches to homework design and implementation: two in calculus and one in partial differential equations. The first example is of online homework I created for a differential calculus course. It was unusual in requiring first a free response, then a multiple choice selection, and finally viewing of the solution to receive credit. The second example, from PDEs, used problems largely taken from our textbook but with the requirement that students repeatedly submit their work until they get it correct. Finally, I will present examples of homework requiring students to use technology and estimation in ways intended to preclude simple internet searches. (Received September 20, 2016)