1056-K1-1966   **Doug Ensley*** (`deensley@ship.edu`), Department of Mathematics, 1871 Old Main Drive, Shippensburg, PA 17257, and **James Hamblin** (`jehamb@ship.edu`). *Applets for Discovery and Assessment in Math for Liberal Studies.*

The authors recently completed a suite of applets to supplement and complement a new text for the Math for Liberal Arts course at Shippensburg University. There were two major goals for this project: create intuitive, simple applets with uniform appearance and user interface; and create applets that allowed for discovery learning as well as self-assessment by students. Ideally, the self-assessment applets could be tied into the grade book for a course management system – we will discuss some of the difficulties and opportunities with this additional objective. The two dozen applets cover topics including voting theory, cryptography, check digits, bin packing, scheduling, and graph theory algorithms. (Received September 22, 2009)