

1116-F5-1603      **Susan L Schmoyer\*** ([sschmoyer@worchester.edu](mailto:sschmoyer@worchester.edu)), 486 Chandler St, Worcester, MA 01602.

*Secret sharing in College Algebra and Precalculus.* Preliminary report.

Lots of action movies have a scene in which there is a secret (like the code to launch a nuclear missile), but two or more people need to work together to unlock the secret. In this talk I will demonstrate the mathematical version of secret sharing using a classroom activity based on topics from college algebra and precalculus. This application provides a glimpse into more advanced topics such as linear algebra and cryptography. (Received September 20, 2015)