

1014-V1-1646 **Mary L Garner***, Kennesaw State University, 1000 Chastain Road #1204, Kennesaw, GA 30144, and **Josip Derado** (jderado@kennesaw.edu), Kennesaw State University, 1000 Chastain Road #1204, Kennesaw, GA 30144. *The Good, the Bad, and the Ugly*. Preliminary report.

Remember the classic spaghetti western "The Good, the Bad, and the Ugly" starring Clint Eastwood and directed by Sergio Leone? There is a culminating scene in the movie during which Clint Eastwood (the "good"), Lee Van Cleef (the "bad") and Eli Wallach (the "ugly") are in a three-way confrontation. They each stand at the vertex of a triangle, inscribed in a circle, in the middle of a graveyard, each pointing a gun at another. The scene is significant mathematically (through both game theory and geometry), as well as politically, artistically, musically, and religiously. In this presentation, we'll explore the mathematics of the scene, along with the connections to other disciplines. We'll show how the scene can provide a creative introduction to an in-depth study of game theory, probability, and geometry. (Received September 28, 2005)