

1125-A5-353

David McCune* (mccuned@william.jewell.edu), William Jewell College, Department of Physics and Mathematics, 500 College Hill, Liberty, MO 64068. *Writing effective questions and creating a successful homework system.*

In this talk I will discuss the effectiveness of my individual homework assignments as well as the preconditions I put in place to make those homework assignments successful. The talk focuses on writing effective and interesting questions that push students to think creatively. I will demonstrate some engaging and applicable questions I have created for my Math for the Liberal Arts course that are designed to help my students think abstractly and creatively. Additionally, I will discuss what needs to happen before giving an individual assignment that makes the assignment successful in achieving my learning goals. Being explicit about your expectations and grading, allowing the students to revise their work, ensuring that students know you care about their success, and honoring the struggle they will have with difficult problems creates an environment in which students take the assignments seriously, see the purpose of each individual question, and are less likely to use the internet to cheat. (Received August 29, 2016)