1014-Y1-728 **Jean M McGivney-Burelle*** (`burelle@hartford.edu`), Mathematics Department, University of Hartford, 200 Bloomfield Avenue, West Hartford, CT 06117. *Whaddya bet? Probability Investigations through Simulations.*

This presentation will provide an overview of how the TI-83+/TI-84+ can be used to investigate concepts in probability in a mathematics course designed for preservice mathematics teachers. In particular, there will be a series of stimulating simulation problems presented along with a discussion of how the TI can be used to allow students to construct empirical probability distributions as they solve these problems. (Received September 23, 2005)