1014-W1-931   **John H. Wilson*** (`wilson@centre.edu`), Centre College, 600 West Walnut Street, Danville, KY 40422. *Calculus Problems with a Parabolic Theme.*

In this talk I will present three calculus problems involving parabolas. The problems, appropriate for Calculus I and for Calculus II, touch on the topics of optimization, area, infinite series, work, and parametric equations. The problems are suitable for challenging homework assignments or with slight modifications could be used on exams. (Received September 26, 2005)