Meeting: 1003, Atlanta, Georgia, MAA CP R1, MAA Session on My Three Favorite Original Calculus Problems

1003-R1-805   **Heakyung Lee*** (`leeh@winthrop.edu`), Winthrop University, Department of Mathematics, Rock Hill, SC 29733. *My Favorite Three Calculus Problems.* Preliminary report.

Three Interesting Problems on Calculus will be shown: the area of the region bounded by a parabola and the x-axis; recognition of the definitions of the definite integral and the derivative of a function and an application of these definitions to the Second Fundamental Theorem of Calculus; the surface area of the portion of a sphere. A pedagogical value and a solution for each problem will be given. (Received September 29, 2004)