

University of Notre Dame

Department of Mathematics

Mathematics Teaching Seminar

Speaker: John Wallbaum

Title: First Order Linear Differential Equations

Date: Tuesday, February 20, 2007

Time: 4:45 – 5:35 pm

Room: 231 Hayes - Healy Hall

Moderator: Jeffrey Diller

Abstract: ... Since there are no other questions on the homework and the material we discussed last class we are going to begin a new topic in Math 20-580 today. We shall explain the idea of finding an appropriate integrating factor which we can use to multiply a given first order linear differential equation and reduce it to the easy to solve form of $dy/dx=f(x)$. Let's begin with the following example...