

## Differential Calculus

Mathematics, level: College level

Bent Jbeil High school, Dearborn, Wayne

Materials Required: TI-92s and Flypaper

Activity Time: three days

Concepts Taught: Slope of the tangent line.

Subject: Differential Calculus.

Objective: How to find the x-Intercepts and the y-Intercepts.

Pre-requisite knowledge: Students should be able to solve a first degree equation and a second degree equation.

Instructions to the teacher: Let students have TI-82 Calculators, pick up some handouts on the desk and information about how to use the Texas Instrument, and have a Flypaper presentation ready for the students.

Hardware requirement: The system requirements is an IBM PC or compatible with CD-ROM drive running anyone of the following: windows 3.1 and windows 95.

Software requirements: Multimedia geometry, pro one.

Instructions to the teacher: Work in groups of four to practice on the TI-82 and try to explore something at least in the end of the project.

Time limit: You have 2 days to finish the assignment.