

# Calculus

**Date:**

**Items Needed:** .Book,

**Objective:** The students will determine the second derivatives and the tangents to the curve of an implicit differentiation.

**Lesson:**

- Do example 7 p. 145 using  $y'$  instead of  $dy/dx$ .
- Finding the tangents to the line is the same as before.
- Look at example 8 p.145.
- Do number 46, 52, and 54 p. 147 from the book.

**Assignment:** . Have students do 31, 32, 45, 50, 51, 53, (Point out what orthogonal means), 74 (Capstone), p. 146

**Evaluation: (Could be from any one/several of the following)**

- Responses from classroom questions
- Results of classroom sample problems
- Homework responses
- Check answer with Calculator
- End of the section exam

**Enrichment:**