Calculus

Date:

Items Needed: .Book, Mathgraphs 53 & 55

Objective: The students will review procedures for fitting an integrand to one of the basic integration rules.

Lesson:

- Review all of the integration rules.
- Go over the basic order that we have used the whole year so far.
- Do example 1 to illustrate this process.

- Remind students that there are still integrals that they will not be able to integrate therefore they must use Newton's method or Simpson's Rule.
- Do examples 2 & 3.

- Remind students about several disguised forms of different rules.
- Do examples 4 & 5.
- Remind students about using trig identities.
- Do example 6.

- Look at the helpful hints on p. 523 that will also help define a process for doing miscellaneous integration problems.

- Ask students how you would do number 77, p. 525.

Assignment: .Have students do 18, 24, 26, 37, 39, 41, 47, 53, 55, 90 (Capstone), p. 524.

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: