

Math – AP Calculus
Hartley-Melvin-Sanborn CSD
Grade Level/Course Benchmarks

By the end of AP Calculus, students will:

- C.1 Demonstrate skill in working with all types of precalculus functions. (Standards 4 and 6)
- C.2 Use properties of functions, as well as technology, to sketch and analyze the graph of a function. (Standards 4 and 6)
- C.3 Evaluate a variety of limits, both finite and infinite. (Standard 4)
- C.4 Use a variety of techniques to find the derivative of functions and expressions. (Standards 4 and 6)
- C.5 Apply the derivative in solving maximum and minimum problems. (Standards 4 and 6)
- C.6 Use the first and second derivatives in analyzing and graphing a function. (Standards 4 and 6)
- C.7 Use a variety of techniques to find the indefinite and definite integral of a function. (Standards 4 and 6)
- C.8 Apply the definite integral of a function to find areas and volumes. (Standards 4, 5 and 6)
- C.9 Successfully complete the AP Calculus Exam in early May. (Standards 3, 4, 5 and 6)
- C.10 Use the above skills in a wide variety of problem solving techniques. (Standards 4, 5 & 6)

Revised: November, 2007